

▶ ONE-STOP SOLUTION FOR SOLAR CABLE WIRING SYSTEMS



Website: www.leadergroup-cn.com

Email: info@leadergroup-cn.com

WhatsApp: +86 151 1271 7083

Marketing Center Address: No 1, Chang Qing South Road,
Chang'an, Dongguan, Guangdong, China

Factory Address: Building 7, Yibo Industrial Park, Yuehai
Avenue, Xiegang, Dongguan, China



POWERED BY NATURE CONNECTED FOR EXCELLENCE

PRODUCTS CATALOGUE

LEADER CABLE



LEADER CABLE



Factory Reception



Sample Show Room

Leader Group was established in 2008 and specializes in the R&D and production of solar cables, solar connectors, solar junction boxes, cable wiring harnesses, power cables, and other products of photovoltaic protection accessories.

We have two production bases in Guangdong and Jiangsu, with more than 300 employees. The turnover in 2024 has reached 240 million US dollars. Top 5 manufacturers of solar cables in China. Product sales network covers the world and exports to 100 countries and regions in the Americas, Europe, the MiddleEast, Southeast Asia, Africa, Oceania, etc.; We have formed strategic partnerships with many world-class international photovoltaic EPC companies. Trusted partners of numerous Fortune 500 companies. By 2024 our products have successfully connected over 48 GW of photovoltaic output in 100 countries and regions worldwide.

Leader Group will continue creating a reliable, high-quality, low-cost photovoltaic connection system, contribute to the construction of global clean energy, and connect the future.



TUV EN 50618 CABLE



EARTH CABLE TUV



UL4703



RETIE SOLAR CABLE



CPR IEC62930



CE



CONNECTOR ROHS CERTIFICATE



RETIE-SOLAR CONNECTOR



CONNECTOR TUV CERTIFICATE



BRANCH CONNECTOR TUV CERTIFICATE



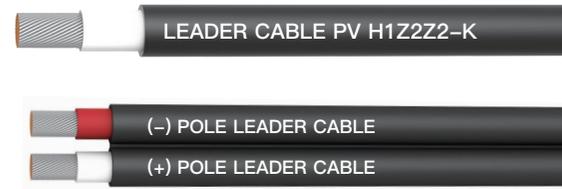
LVD DIRECTIVE CABLE



EMC DIRECTIVE CABLE

62930 IEC 131/H1Z2Z2-K Solar Cable

- Higher UV-stability
- Suitable for direct burial
- Water resistance
- Flammability class Eca acc.CPR
- Higher mechanical stability
- Higher insulation resistance



UL 4703 PV Cable

- UV resistant
- Rated for direct burial
- High flame retardant VW-1
- Low smoke halogen free
- Higher insulation resistance



Characteristics

Conductor:Bare or tinned copper, Aluminum(Optional)
Inner Layer:E-beam XLPO
Out Layer:E-beam XLPO
Testing Standard:
 Test under fire conditions:UL1581 VW-1
 Sunlight resistance:UL2556
 Cold bend test:UL854
UL File No.:E518364

Temperature Rating:-40°C~+90°C
Nominal Voltage:1000/2000V
Voltage Test On Completed Cable:
 U=1000V or 2000V
 18~10AWG,6kV/min
 8~2AWG,7.5kV/min
 1~4/0AWG,9kV/min

Characteristics

Conductor:Tinned stranded copper
Insulation:E-beam XLPO
Jacket:E-beam XLPO
Voltage Rating:DC1500V
Reference Standard:
 EN 50618 & IEC 62930

Temperature Rating:
 Rated:-40°C to +90°C
 Max.conductor temp.:+120°C
 Short circuit:+250°C
Testing Standard:
 Smoke density test:Transmittance≥60% EN 50618
 Cod bending test:-40°C±2°C no crack EN 60811-504

Cross Section (mm ²)	Conductor Construction (No./mm)	Strand Dia (mm)	Single Core Cable O.D. (mm)	Twin Core Cable O.D. (mm)	Conductor Resistance Max(Ω/km,20°C)
1.5	30/0.25	1.58	5.00	5.00*10.40	13.7
2.5	49/0.25	2.02	5.40	5.40*11.00	8.21
4.0	56/0.285	2.46	5.60	5.60*11.40	5.09
6.0	84/0.285	3.02	6.30	6.30*12.80	3.39
10	142/0.285	4.00	7.80	7.80*15.80	1.95
16	228/0.285	5.00	9.30	9.30*18.80	1.24
25	361/0.285	6.50	11.00	11.00*22.30	0.795
35	266/0.40	8.00	12.50	12.50*25.30	0.565

AWG	Conductor Construction (No./mm)	Strand Dia (mm)	Cable O.D. (mm)	Conductor Resistance Max(Ω/km,20°C)
14	41/0.254	2.05	5.90	8.960
12	65/0.254	2.45	6.30	5.640
10	105/0.254	3.00	7.00	3.546
8	168/0.254	4.10	8.40	2.230
6	266/0.254	5.20	10.60	1.403
4	420/0.254	6.50	12.00	0.882

TÜV 2 PfG 2962 PV1500–SWR Solar Floating

- Higher UV-stability
- Salt mist resistant
- Higher water resistance
- Higher insulation resistance
- TÜV 2PfG 2962 floating PV certification



Characteristics

Conductor:Tinned stranded copper
Insulation:E-beam XLPO
Jacket:E-beam XLPO

Rated Voltage:1500VDC
Ambient Temperature:-40°C to +90°C

Cross Section (mm ²)	Insulation Thickness (mm ²)	Jacket Thickness (mm)	Cable O.D. Upper (mm)	Conductor Resistance Max(Ω/km,20°C)
2.5	0.8	0.8	5.5	8.21
4.0	0.8	0.8	6.4	5.09
6.0	0.8	0.8	6.8	3.39
10	0.8	0.8	8.0	1.95
16	0.9	0.9	9.6	1.24

TÜV 2 PfG 2642 Aluminum Alloy Solar Cable

- Higher UV-stability
- Low smoke halogen free
- Higher mechanical stability



Characteristics

Conductor Material:Stranded aluminum alloy, and in accordance with IEC 60228,class5
Insulation Material:E-beam XLPO
Outer Sheath Material:E-beam XLPO
Rated voltage:U=1500VDC

Test Voltage:6.5kVAC/5min
Ambient Temperature:-40°C to +90°C
Max.Short Circuit Temp.:250°C/5s

Cross Section (mm ²)	Insulation Thickness (mm)	Insulation O.D. (mm)	Jacket Thickness (mm)	Cable O.D. (mm)	Conductor Resistance Max(Ω/km,20°C)
6	0.70	4.70	0.80	6.30	5.050
10	0.80	5.80	0.80	7.40	3.080
16	0.90	6.80	0.90	8.60	1.910
25	1.00	8.20	1.00	10.2	1.200
35	1.10	9.40	1.10	11.6	0.868
50	1.20	10.9	1.20	13.3	0.641
70	1.20	12.6	1.20	15.0	0.443
95	1.30	14.3	1.30	16.9	0.320
120	1.30	15.8	1.30	18.4	0.253
150	1.40	17.5	1.40	20.3	0.206
185	1.60	19.4	1.60	22.6	0.164
240	1.70	21.9	1.70	25.3	0.125

H07Z-K Earth Cable



Higher UV-stability



Low smoke halogen free



Higher mechanical stability



Characteristics

Conductor: Stranded, tinned or bare copper conductor 1.5~120mm²

Insulation: E-beam XLPO

Rated Temperature: 90°C

Rated Voltage: 450/750V

Standard: EN 50525-3-41

Cross Section (mm ²)	Construction (No./mm)	Strand Dia	Cable O.D. (mm)	Conductor Resistance Max(Ω/km,20°C)
4	56/0.285	2.45	4.30	5.09
6	84/0.285	3.02	4.80	3.39
10	142/0.285	4.20	6.60	1.95
16	228/0.285	5.00	7.80	1.24
25	182/0.40	6.50	9.50	0.795
35	266/0.40	8.00	11.0	0.565

ESP15Z3Z3-K Energy Storage Cable



Higher UV-stability



Suitable for direct burial



Higher mechanical stability



Characteristics

Conductor: Tinned stranded copper

Insulation: E-beam XLPO

Jacket: E-beam XLPO

Rated Temperature: -40~125°C

Rated Voltage : 1500V DC

Standard: 2 PfG 2693/03.23

Cross Section (mm ²)	Construction (No./mm)	Strand Dia	Cable O.D. (mm)	Conductor Resistance Max(Ω/km,20°C)
10	74/0.40	3.97	8.20	1.950
16	120/0.40	5.20	10.20	1.240
25	182/0.40	6.50	12.00	0.795
35	252/0.40	7.80	13.20	0.565
50	373/0.40	9.00	15.50	0.393
70	340/0.50	11.20	17.50	0.277

Anti-Mouse Ants PV Cable

- Higher UV-stability
- Higher mechanical stability
- Low smoke halogen free
- Anti-Mouse Ants



Characteristics

Conductor:Tinned stranded copper
Insulation:E-beam XLPO
Jacket:E-beam XLPO
Voltage Rating:DC1500V
Reference Standard:
 EN 50618 & IEC 62930

Temperature Rating:
 Rated:-40°C to +90°C
 Max.conductor temp:+120°C
 Short circuit:+250°C
Testing Standard:
 Test under fire conditions:EN60332-1-2
 O-zone resistant test:EN50396

Cross Section (mm ²)	Conductor Construction (No./mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Single Core Cable O.D. (mm)	Steel wire Braiding density	Conductor Resistance Max(Ω/km,20°C)
2.5	34/0.285	0.7	0.8	5.40	85%	8.21
4.0	56/0.285	0.7	0.8	5.60	85%	5.09
6.0	84/0.285	0.7	0.8	6.30	85%	3.39
10	142/0.285	0.7	0.8	7.80	85%	1.95
16	228/0.285	0.7	0.8	9.30	85%	1.24

Anti-Ants PV Cable (Nylon Protective Layer)

- Higher UV-stability
- Higher mechanical stability
- Higher insulation resistance
- Anti-Ants



Characteristics

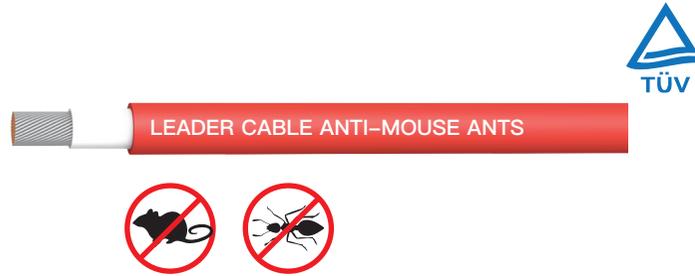
Conductor:Tinned stranded copper
Insulation:E-beam XLPO
Jacket:E-beam XLPO
Voltage Rating:DC1500V
Reference Standard:
 EN 50618 & IEC 62930

Temperature Rating:
 Rated:-40°C to +90°C
 Max.conductor temp:+120°C
 Short circuit:+250°C
Testing Standard:
 Test under fire conditions:EN60332-1-2
 Cod bending test:EN60811-1-4

Cross Section (mm ²)	Conductor Construction (No./mm)	Insulation Thickness (mm)	Inner Cover Thickness (mm)	Jacket Thickness (mm)	Single Core Cable O.D. (mm)	Conductor Resistance Max(Ω/km,20°C)
4.0	56/0.285	0.7	0.3	0.8	6.20	5.09
6.0	84/0.285	0.7	0.3	0.8	7.20	3.39
10	142/0.285	0.7	0.3	0.8	8.40	1.95

Anti-Mouse Ants PV Cable(Chemical Additive)

- Higher UV-stability
- Higher mechanical stability
- Higher insulation resistance
- Anti-rat and anti-rodent.



Characteristics

Conductor:Tinned stranded copper
Insulation:E-beam XLPO
Jacket:E-beam XLPO
Voltage Rating:DC1500V
Reference Standard:
 EN 50618 & IEC 62930

Temperature Rating:
 Rated:-40°C to +90°C
 Max.conductor temp:+120°C
 Short circuit:+250°C
Testing Standard:
 Smoke density test:Transmittance≥60% EN 50618
 Cod bending test:-40°C±2°C no crack EN 60811-504

Cross Section (mm ²)	Conductor Construction (No./mm)	Insulation O.D. (mm)	Single Core Cable O.D. (mm)	Twin Core Cable O.D. (mm)	Conductor Resistance Max(Ω/km,20°C)
1.5	30/0.25	3.05	5.00	5.00*10.20	13.7
2.5	34/0.285	3.50	5.40	5.20*11.00	8.21
4.0	56/0.285	3.85	5.60	5.60*11.40	5.09
6.0	84/0.285	4.45	6.30	6.30*12.80	3.39
10	142/0.285	5.50	7.80	7.80*15.90	1.95
16	228/0.285	6.90	9.30	9.30*18.90	1.24
25	361/0.285	8.70	11.00	11.00*22.30	0.795
35	266/0.40	10.0	12.50	12.50*25.30	0.565

Armored Directly Buried Solar Cable

- Higher UV-stability
- Suitable for direct burial
- Higher mechanical stability
- Anti-rat and anti-termite.



Characteristics

Conductor:Tinned stranded copper
Rated Voltage:AC 600/1000V DC 1500V
Rated Temperature:-40°C to +90°C
Reference Standard:
 IEC 62930:2017

Bending radius:≥12D
Max Conduct temperature:120°C
Fire test:IEC 60332-1
Cold bending test:EN 60811-1-4

Cross Section (mm ²)	Construction (No./mm)	DIA.(mm)	Steel Strip Thickness (mm)	Insulation Thickness(mm)	Jacket Thickness(mm)	Cable OD. (mm±0.2)
2×4	56/0.285	2.45	0.2	0.8	1.4	14
2×6	84/0.285	3.05	0.2	0.8	1.5	16
2×10	142/0.285	4.40	0.2	0.8	1.6	19

XHHW-2 Power Cable

- Higher UV-stability
- Higher mechanical stability
- Low smoke halogen free
- Higher insulation resistance



Characteristics

Conductor:Copper

Jacket:E-beam XLPO

Bending radius:4×D

Voltage Rating:DC 600V/1000V

Reference Standard:
UL44

Temperature Rating:

Rated:+90°C

Max.conductor temp:+90°C

Short circuit:+150°C

Testing Standard:

Impact resistance:ASTM D256

Fire performance:Pass VW-1 Flame Test

Cross Section (AWG/Kcmil)	Construction (No./mm±0.01)	DIA. (mm)±1% _d	Jacket Thickness (mm)	Ref Cable OD. (mm)	Cable weight (kg/km)	Conductor Resistance Max(Ω/km,20°C)
4	19/1.16	5.41	1.14	8.0	135	0.848
3	19/1.30	6.02	1.14	9.0	165	0.672
2	19/1.46	6.81	1.14	9.6	200	0.533
1	19/1.64	7.59	1.40	10.5	245	0.423
1/0	19/1.84	8.53	1.40	11.5	295	0.335
2/0	19/2.13	9.55	1.40	13.0	360	0.266
3/0	19/2.39	10.74	1.40	14.0	435	0.211
4/0	19/2.68	12.07	1.40	15.3	525	0.167
250	37/2.092	13.21	1.65	17.2	630	0.141
300	37/2.290	14.48	1.65	18.3	740	0.118
350	37/2.480	15.65	1.65	19.4	860	0.101
400	37/2.644	16.74	1.65	20.4	965	0.088

THHN Power Cable

- Higher UV-stability
- Higher mechanical stability
- Higher insulation resistance
- Anti-Ants



Characteristics

Conductor:Copper

Insulation:PVC

Jacket:Nylon

Voltage Rating:DC600V

Reference Standard:
UL83/UL758

Temperature Rating:

Rated:70°C ~ +90°C

Max.conductor temp:+130°C

Short circuit:+250°C

Testing Standard:

Fire performance:Pass VW-1 Flame Test

UV resistant:UL 44. UL 2556

Cross Section (AWG/Kcmil)	Construction (No./mm±0.01)	DIA. (mm)+1% _d	Insulation Thickness (mm)	Jacket Thickness(mm)	Ref Cable OD. (mm)
8	19/0.73	3.60	0.76	0.13	5.39
6	19/0.92	4.60	0.76	0.13	6.30
4	19/1.16	5.75	1.02	0.15	8.06
3	19/1.30	6.40	1.02	0.15	8.74
2	19/1.46	7.30	1.02	0.15	9.53
1	19/1.64	8.20	1.27	0.18	11.05
1/0	19/1.84	9.20	1.27	0.18	12.04
2/0	19/2.13	10.30	1.27	0.18	13.16
3/0	19/2.39	11.60	1.27	0.18	14.43
4/0	19/2.68	13.10	1.27	0.18	15.85
250	37/2.092	14.20	1.52	0.20	17.23
300	37/2.290	15.50	1.52	0.20	18.54
350	37/2.480	16.80	1.52	0.20	19.74
400	37/2.644	18.00	1.52	0.20	20.85

AC Power Cable 0.6/1KV AL XLPO PVC NA2XY



CHARACTERISTICS

Voltage Rating Uo/U
0.6/1.0(1.2)kV

Temperature Range
Maximum Conductor Operating
Temperature: +90 °C
Maximum Conductor Temperature
During S.C: +250 °C

Minimum Bending Radius
15 × Overall Diameter

Reference Standard
IEC60502-1, VDE 0276-603

CONSTRUCTION

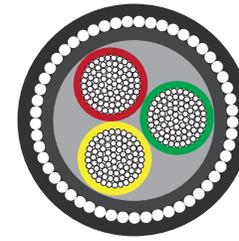
Conductor
Class 2 Stranded Plain Aluminium
Circular Compact Conductor

Insulation
XLPO (Cross Linked Polyethylene)

Sheath
PVC (Polyvinyl Chloride)

Sheath Color
● Black

AC Power Cable 1.8/3KV AL XLPO SWA PVC NA2XRY



CHARACTERISTICS

Voltage Rating Uo/U
1.8/3(3.6)kV

Temperature Range
Maximum Conductor Operating
Temperature: +90 °C
Maximum Conductor Temperature
During S.C: +250 °C

Minimum Bending Radius
15 × Overall Diameter

Reference Standard
IEC60502-1, VDE 0276-603

CONSTRUCTION

Conductor
Class 2 Stranded
aluminium conductor

Insulation
XLPO (Cross Linked Polyethylene)

Filler
PVC (Polyvinyl Chloride)

Armour
Single core: AWA
(Aluminium wire armour)
All other sizes: SWA
(Galvanized round steel wire)

Sheath
PVC (Polyvinyl Chloride)

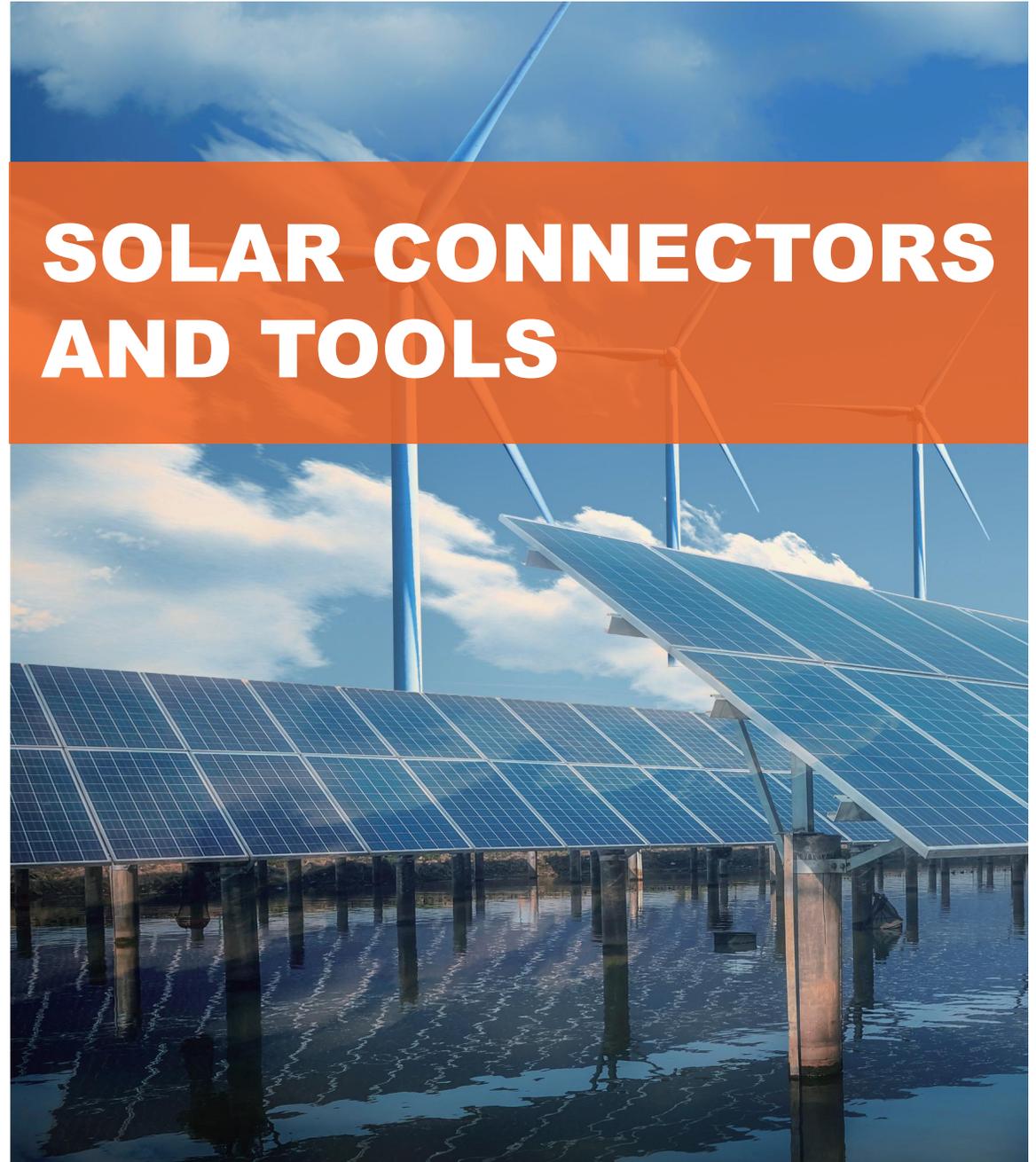
PACKING

Export packing schemes



CONTAINER SIZE:20GP(5.89M*2.32M*2.31M)
 CABLE SPECIFICATION:1*4MM²
 PACKING MODE:WOODEN TRAY+ WOODEN DRUM 1000M/ROLL
 LOADING CAPACITY:300000M

CONTAINER SIZE:20GP(5.89M*2.32M*2.31M)
 CABLE SPECIFICATION:1*6MM²
 PACKING MODE:WOODEN TRAY+ WOODEN DRUM 1000M/ROLL
 LOADING CAPACITY:280000M



SOLAR CONNECTORS AND TOOLS



PV-BN101A

PV-BN101A

SY-CP4C



IP68



UV Resistance



UL94-V0



-40°C~85°C



Rated Voltage:1500V

Insulation material:PPO/PC

Rated Current-2.5mm²:30A (14AWG)

Rated Current-4mm²:35A (12AWG)

Rated Current-6mm²:40A (10AWG)

Rated Current-10mm²:50A (8AWG)

Test voltage:6KV(50Hz,1Min)

Fire Resistance:UL94-V0

Contact resistance:less than 0.35 mΩ

Degree of protection:IP68

Ambient temperature:-40°C up to +85°C

Certification:IEC62852 /UL6703

Carton Dimension (cm)	Pack list	QTY	Gross Weight (kg)
59cm × 39cm × 20cm	Male Housing	500 pcs	15kg
	Female Housing	500 pcs	
	Male terminal	500 pcs	
	Female terminal	500 pcs	
Remark: 500 pairs in one carton package			

T Branch Connector



SY-BB21-AB

SY-BB31-AB

SY-BB41-AB



IP68



UV Resistance



UL94-V0



-40°C~85°C



Rated Voltage:1500V

Insulation material:PPO/PC

Rated Current-2.5mm²:30A (14AWG)

Rated Current-4mm²:35A (12AWG)

Rated Current-6mm²:40A (10AWG)

Rated Current-10mm²:50A (8AWG)

Test voltage:6KV(50Hz,1Min)

Fire Resistance:UL94-V0

Contact resistance:less than 0.35 mΩ

Degree of protection:IP68

Ambient temperature:-40°C up to +85°C

Certification:IEC62852 /UL6703

Carton Dimension (cm)	Pack list	QTY	Gross Weight (kg)
48cm × 37cm × 22cm	Solar Male Connector	200 pcs	21.7kg
	Solar Female Connector	200 pcs	
Remark: 200 pairs in one carton package			

Y Branch Connector



SY-BY21-AB



IP67



UV Resistance



UL94-V0



-40°C~85°C



SY-BY31-AB



SY-BY41-AB

Rated Voltage:1500V

Insulation material:PPO/PC

Rated Current-2.5mm²:30A (14AWG)

Rated Current-4mm²:35A (12AWG)

Rated Current-6mm²:40A (10AWG)

Fire Resistance:UL94-V0

Test voltage:6KV(50Hz,1Min)

Contact material:copper, tin-plated

Contact resistance:less than 0.35 mΩ

Degree of protection:IP67

Ambient temperature:-40°C up to +85°C

Certification:IEC62852 /UL6703

Carton Dimension (cm)	Pack list	QTY	Gross Weight (kg)
45cm × 35cm × 24cm	Solar male connector	100 pcs	28kg
	Solar female connector	100 pcs	
Remark: 100 pairs in one carton package			

PV Fuse & Diode Connector



LD6-Mini-1000



LD6-MAX-1500



LD-MD55A2000V-H



IP68



UV Resistance



UL94-V0



-40°C~85°C



Rated Voltage:1000~2000V

Insulation material:PPO/PC

Rated Current-2.5mm²:30A (14AWG)

Rated Current-4mm²:35A (12AWG)

Rated Current-6mm²:40A (10AWG)

Fire Resistance:UL94-V0

Test voltage:6KV(50Hz,1Min)

Contact material:copper, tin-plated

Contact resistance:less than 0.35 mΩ

Degree of protection:IP68

Ambient temperature:-40°C up to +85°C

Certification:IEC62852 /UL6703

Carton Dimension (cm)	Pack list	QTY	Gross Weight (kg)
45cm × 35cm × 25cm	Solar Diode Connector	500 pcs	31kg
	Solar Fuse Connector	500 pcs	
Remark: 500 pairs in one carton package			

LEADER

Junction Box



PV-BN223



PV-BN221



PV-BN221B

-  IP67
-  UV Resistance
-  UL94-V0
-  -40°C~85°C



Rated Voltage:1000V

Insulation material:PPO/PC

Rated Current:3~15A

Busbar connection:Welding

Degree of protection:Pouring sealant

Fire Resistance:UL94-V0

Rated Connecting Capacity:2.5~4mm²

Safety class:Class II

Glue quantity:7g

Degree of protection:IP67

Ambient temperature:-40°C up to +85°C

Certification:IEC62852 /UL6703

Carton Dimension (cm)	Pack list	QTY	Gross Weight (kg)
48cm × 37cm × 22cm	Solar Junction Box	25set	31kg
Remark: 25 set in one carton package			

PV TOOLS



Crimping Pliers
SY-CT002



Wire Stripper Plier
SY-ST001



Cutting Tool
SY-CT003



Solar Connector Spanner
SY-THB510



Solar Tool Kit Box
SY-TB003



Solar Crimping Tool Kit
SY-TB006

Please scan the QR code below to view the usage instructions



To find out more information about our products and services, contact us now, our team is ready to support you.



Wechat



WhatsApp



Facebook

DC MCB 1A-63A



Mini Circuit Breaker

Standard_ IEC60947-2



LDM7-1P-63

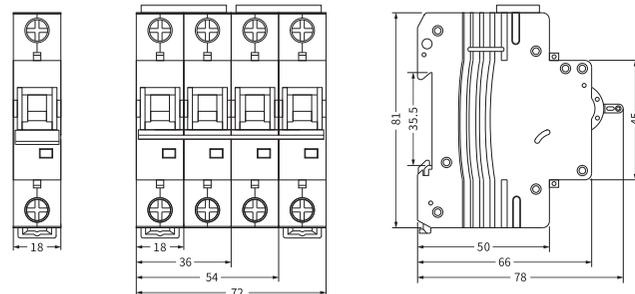
LDM7-2P-63

LDM7-4P-63

Technical Data

Standard	IEC/EN60947-2
Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No.of poles	1P,2P,4P
Rated currents In	1,2,3,4,5,6,10,16,20,25,32,40,50,63A
Rated voltage Ue	1P(250VDC),2P(500VDC),4P(1000VDC)
Rated breaking capacity	6,000A
Rated impulse withstand voltage(1.5/50) Uimp	4,000V
Dielectric test voltage at Ind. Freq.for 1 min	3kV
Thermal release characteristic	(1.05-1.30) x In
Magnetic release characteristic	(8-12) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	Yes
Protection degree	IP20
Ambient temperature	-5°C to +40°C Max.95%humidity
Terminal connection type	Cable/Pin-type busbar/Fork-type busbar
Max.terminal size for cable	25mm ²
Max.tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Connection	According to the wiring diagram

Overall and Installation Dimension(mm)



DC MCB 80A-125A



Mini Circuit Breaker

Standard_ IEC60947-2



LDM7Z-1P-125

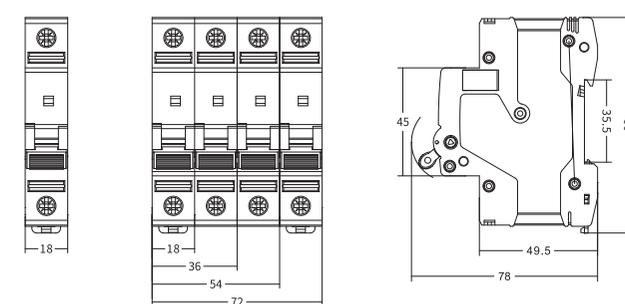
LDM7Z-2P-125

LDM7Z-4P-125

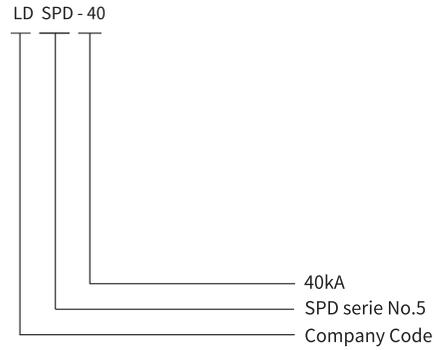
Technical Data

Standard	IEC/EN60947-2
Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No.of poles	1P,2P,4P
Rated currents In	80,100,125A
Rated voltage Ue	1P(250VDC),2P(500VDC),4P(1000VDC)
Rated breaking capacity	10,000A
Rated impulse withstand voltage(1.5/50) Uimp	4,000V
Dielectric test voltage at Ind. Freq.for 1 min	3kV
Thermal release characteristic	(1.05-1.30) x In
Magnetic release characteristic	(8-12) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	Yes
Protection degree	IP20
Ambient temperature	-5°C to +40°C Max.95% humidity
Terminal connection type	Cable/Pin-type busbar/Fork-type busbar
Max.terminal size for cable	35mm ²
Max.tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Connection	According to the wiring diagram

Overall and Installation Dimension(mm)



Product Selection Guide



LDSPD-40kA
2P(600VDC)



LDSPD-40kA
2P(1000VDC)

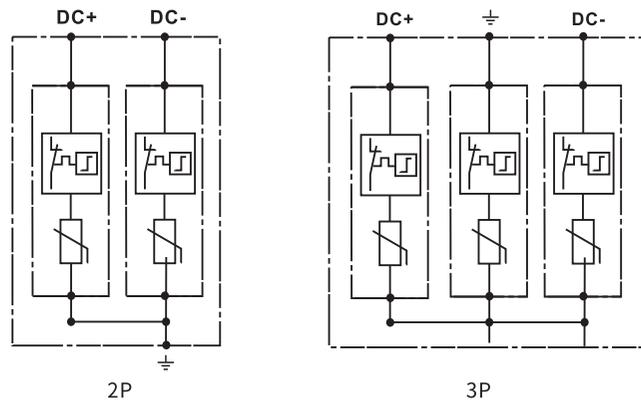


LDSPD-40kA
3P(1000VDC)



LDSPD-40kA
3P(1500VDC)

Basic circuit diagram



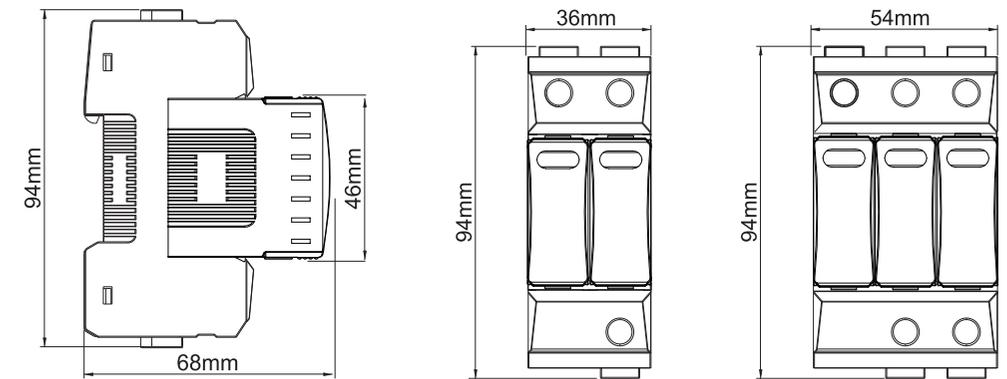
SPD Type Reference List

No. of Poles	Max. Continuous Operating DC Voltage		
	600VDC	1000VDC	1500VDC
2Module	LD-SPD2P-40KA-600	LD-SPD2P-40KA-1000	-
3Module	-	LD-SPD3P-40KA-1000	LD-SPD3P-40KA-1500
<i>With Remote Signaling</i>			
2Module	LD-SPD2P-40KA-600S	LD-SPD2P-40KA-1000S	-
3Module	-	LD-SPD3P-40KA-1000S	LD-SPD3P-40KA-1500S

Technical Data

SPD classification according to IEC/EN61643-31		T2	T2	T2
Max. continuous operating a.c.voltage	Ucpv	600VDC	1000VDC	1500VDC
Norminal discharge current (8/20μs)	In	20kA	20kA	20kA
Maximum discharge current (8/20μs)	I _{max}	40kA	40kA	40kA
Voltage protection level DC+/DV-to PE	Up	2Mods ≤2.6kV	≤4.0kV	-
	3Mods	-	≤4.0kV	≤5.2kV
Response time	tA	≤25ns	≤25ns	≤25ns
Operating temperature range	Tu	-40°C~80°C		
Operating State/Fault Indication		Green/Red		
Cross-section area (Min.)		4mm ²		
Cross-section area (Max.)		35mm ²		
For mounting on		35mm Din rail		
Enclosure material		Thermal Plastic UL94-V0		
Degree of Protection		IP20		
No. of Mouldles		2P(2Mods),3P(3Mods)		

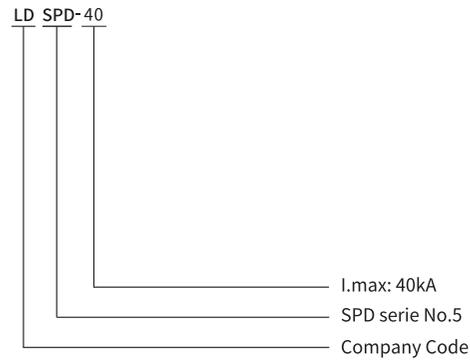
Overall and Installation Dimension(mm)





LDSPD-40
3P(1500VDC)

Product Selection Guide



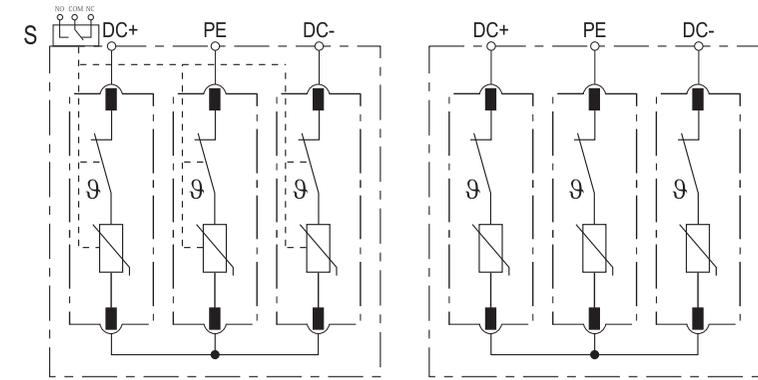
Technical Data

SPD classification according to IEC/EN61643-31		T1+T2		
Max. continuous operating a.c.voltage	Ucpv	600VDC	1000VDC	1500VDC
Impulse Discharge Current (10/350 μs)	Iimp		6.25kA	
Total Discharge Current (10/350 μs)	ITotal		12.5kA	
Norminal discharge current (8/20μs)	In		20kA	
Maximum discharge current (8/20μs)	I _{max}		40kA	
Voltage protection level DC+/DV-to PE	Up	2000V	4000V	5200V
Response time	tA		≤25ns	
Operating temperature range	Tu		-40°C~80°C	
Operating State/Fault Indication			Green/Red	
Cross-section area (Min.)			4mm ²	
Cross-section area (Max.)			35mm ²	
For mounting on			35mm Din rail	
Enclosure material			Thermal Plastic UL94-V0	
Degree of Protection			IP20	
No. of Moudles			3P(3Mods)	

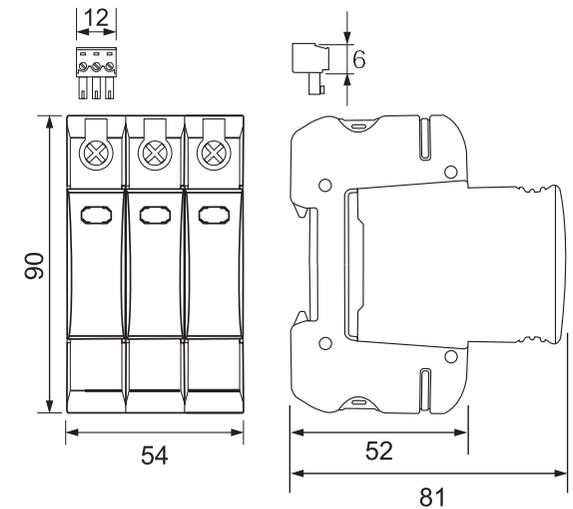
SPD Type Reference List

No. of Poles	Max. Continuous Operating DC Voltage		
	600VDC	1000VDC	1500VDC
3Module	LD-SPD3P-40KA-600	LD-SPD3P-40KA-1000	LD-SPD3P-40KA-1500
<i>With Remote Signaling</i>			
3Module	LD-SPD3P-40KA-600S	LD-SPD3P-40KA-1000S	LD-SPD3P-40KA-1500S

Basic circuit diagram



Overall and Installation Dimension(mm)





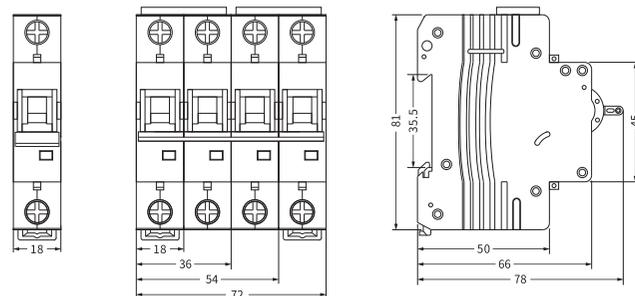
LLA7-1P-63

LLA7-3P-63

Technical Data

Standard	GB/T10963.1、IEC60898-1
No.of poles	1P、2P、3P、4P、1P+N、3P+N
Rated Currents (In)	1-63A
Rated Voltage (Ue)	240/415V~
Rated frequency	50/60Hz
Rated breaking capacity	4,500A
Rated impulse withstand voltage(1.5/50) Uimp	4,000A
Thermal release characteristic	(1.05-1.30)×In
Instantaneous tripping characteristics	B、C、D
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Protection degree	IP20
Ambient temperature	-5°C to +40°C Max.95%humidity
Terminal connection type	Cable/Pin-type busbar/Fork-type busbar
Max.terminal size for cable	25mm ²
Max.tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail

Overall and Installation Dimension(mm)



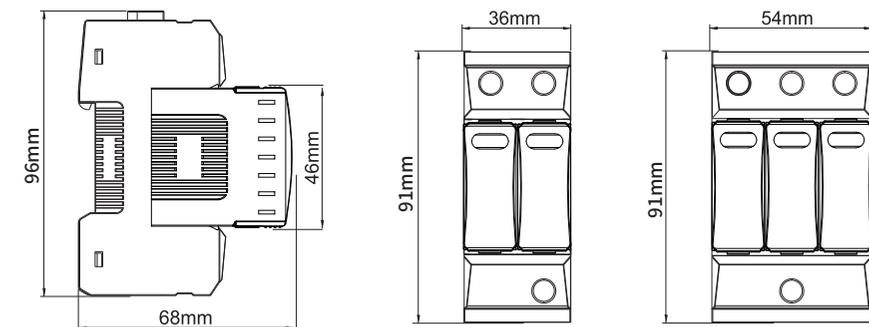
LA-SPD2P-40KA

LA-SPD3P-40KA

Technical Data

Model Type	LA-SPD-20KA	LA-SPD-40KA	LA-SPD-60KA	LA-SPD-80KA
Pole Number	1P/2P/3P/4P			
Maximum Continuous Operating Voltage (Uc)	175V/285V/385V	275V/385V	275V/385V	275V/385V
Rated discharge current (8/20ps) In	10kA	20kA	30kA	40kA
Maximum discharge current(8/20ps) Imax	20kA	40kA	60kA	80kA
Rated voltage (Un)	1P&2P:230V;3P&4P:230V/400V			
Number of discharges Lmax (No.)	1			
Number of discharges Ln (No.)	10			
Int. short circuit withstand current	10	25	25	25
Response time	<20ns			
Leakage current	<20uA			

Overall and Installation Dimension(mm)

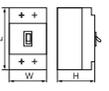


LMM1-PV DC MCCB



DC High Voltage Molded Case Circuit Breaker ----- Standard_ IEC60947-1
IEC60947-2

Main Technical Parameter

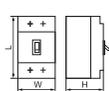
Appearance									
Model	LMM1-PV DC-250, LMM1-PV DC-320			LMM1-PV DC-400					
Rated current of shell frame grade Inm(A)	250, 320			400					
Rated current In(A)	63, 80, 100, 125, 140, 160, 180, 200, 225, 250, 280, 315, 320			225, 250, 315, 350, 400					
Pole Number	2	3	2	3					
Rated working voltage Ue (V)DC	500	1000	1500	250/500	750/1000 1250/1500 1250/1500				
Rated insulation voltage Ui (V)	1250		1500	1500					
Rated impulse withstand voltage Uimp (kV)	8		12	12					
Extreme short-circuit breaking capacity Icu (kA)	H Type	50	20	20	70	40	20	20 ^① , 40 ^②	
	R Type	/	/	/	85	60	40	40 ^① , 50 ^②	
Running short-circuit breaking capacity Ics (kA)	Ics=100%Icu								
Wiring mode	Up incoming and Down outgoing, Down incoming and Up outgoing (2P, 320/3P) Down incoming and Down outgoing, Up incoming and Up outgoing (3P)								
Mechanical life (Total times)	20000			10000					
Electrical life (Total times)	3000	2000	1500	1000	1000	700	500		
Insulation feature	Yes								
Standard	IEC 60947-2, GB/T 14048.2								
Allowable ambient temperature	-40°C~+70°C								
Levels of protection	IP20								
Quality certificate	CB, TUV certificate								
With accessories	Auxiliary, alarm, Off load, Hand operation, Electric operation								
Arcing distance (mm)	≤50 (Zero arc, with arcing cover)								
Transient Action value	10In								
Overall dimensions LxWxH(mm)		L	180	180	250	250	250	250	
		W	76	107	124	124	124	182	182
		H	126	126	165	165	165	165	165

Note: ① 2P connection in series
② 3P connection in series

LMM1-PV DC MCCB



DC High Voltage Molded Case Circuit Breaker ----- Standard_ IEC60947-1
IEC60947-2

Appearance									
Model	LMM1-PV DC-630			LMM1-PV DC-800					
Rated current of shell frame grade Inm(A)	630			800					
Rated current In(A)	500, 630			700, 800					
Pole Number	2	3	2	3					
Rated working voltage Ue (V)DC	250/500	750/1000	1250/1500	1250/1500	250/500	750/1000 1250/1500 1250/1500			
Rated insulation voltage Ui (V)	1500			1500					
Rated impulse withstand voltage Uimp (kV)	12			12					
Extreme short-circuit breaking capacity Icu (kA)	H Type	70	40	20	20 ^① , 40 ^②	70	40	20	20 ^① , 40 ^②
	R Type	85	60	40	40 ^① , 50 ^②	85	60	40	40 ^① , 50 ^②
Running short-circuit breaking capacity Ics (kA)	Ics=100%Icu								
Wiring mode	Up incoming and Down outgoing, Down incoming and Up outgoing (2P, 320/3P) Down incoming and Down outgoing, Up incoming and Up outgoing (3P)								
Mechanical life (Total times)	5000								
Electrical life (Total times)	1000	1000	700	500	1000	1000	700	500	
Insulation feature	Yes								
Standard	IEC 60947-2, GB/T 14048.2								
Allowable ambient temperature	-40°C~+70°C								
Levels of protection	IP20								
Quality certificate	CB, TUV certificate								
With accessories	Auxiliary, alarm, off load, Hand operation, Electric operation								
Arcing distance (mm)	≤50 (Zero arc, with arcing cover)								
Transient Action value	10In								
Overall dimensions LxWxH(mm)		L	250	250	250	250	250	250	250
		W	124	182	124	124	124	182	182
		H	165	165	165	165	165	165	165

Note: ① 2P connection in series
② 3P connection in series

Technical Data

Model			
	PV0191-1P-A	PV0191-1P	HDKDC1P32AL
Rated Voltage	1000VDC		1500VDC
Rated Current	32A		50A
Size of Fuse Link	10x38mm		10/14x85mm
Class of Operation	gPV		gPV
Mechanical Life	500		500
Product Width	18mm		22mm
Tightening Torque	2.5Nm 14In-lbs		2.5Nm 14In-lbs
Terminal size for Cable	6mm ² 8-18AWG		10mm ² 6-18AWG
Ambient temperature (with daily average ≤35°C)	-5°C~+40°C		
Storage Temperature	-25°C~+70°C		
Standard:	IEC60269-6		
Mounting	On DIN rail EN60715(35mm) by means of fast clip device		

Reference No.	DC Voltage Grade	Size of Fuse Link	Current Rating for Fuse Link
PV0191-1P-A	1000VDC	10x38mm	1,2,3,4,5,6,8,10,12,15,16,20,25,30,32A
PV0191-1P	1000VDC	10x38mm	1,2,3,4,5,6,8,10,12,15,16,20,25,30,32A
HDKDC1P32AL	1500VDC	14x85mm	8,10,12,15,16,20,25,30,32,35,40,45,50A

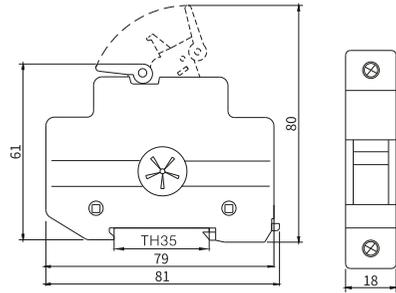
Technical Data

Model			
	BX0234-25A	FSKDC25AL	FSKDC25AL-14
Size	10x38mm	10x85mm	14x85mm
Rated Voltage	1000VDC	1500VDC	1500VDC
Rated Current	1-32A	2-32A	8-50A
Class of Operation	gPV	gPV	gPV
Breaking capacity	20KA	20KA	20KA
Standard:	IEC60269		

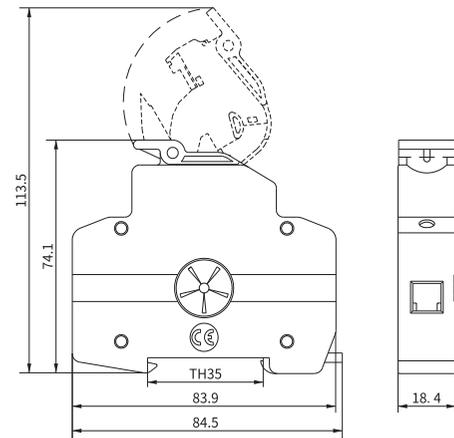
Current Rating	Reference No. for Fuse Link		
	Voltage Grade and Size of Fuse Link		
	BX0234-25A 1000VDC 10x38mm	FSKDC25AL 1500VDC 10x85mm	FSKDC25AL-14 1500VDC 14x85mm
1A	BX0234-1A		
2A	BX0234-2A	FSKDC2AL	
3A	BX0234-3A	FSKDC3AL	
4A	BX0234-4A	FSKDC4AL	
5A	BX0234-5A	FSKDC5AL	
6A	BX0234-6A	FSKDC6AL	
8A	BX0234-8A	FSKDC8AL	FSKDC8AL-14
10A	BX0234-10A	FSKDC10AL	FSKDC10AL-14
12A	BX0234-12A	FSKDC12AL	FSKDC12AL-14
15A	BX0234-15A	FSKDC15AL	FSKDC15AL-14
16A	BX0234-16A	FSKDC16AL	FSKDC16AL-14
20A	BX0234-20A	FSKDC20AL	FSKDC20AL-14
25A	BX0234-25A	FSKDC25AL	FSKDC25AL-14
30A	BX0234-30A	FSKDC25AL	FSKDC30AL-14
32A	BX0234-32A	FSKDC32AL	FSKDC32AL-14
35A			FSKDC35AL-14
40A			FSKDC40AL-14
45A			FSKDC45AL-14
50A			FSKDC50AL-14

Overall and Installation Dimension(mm)

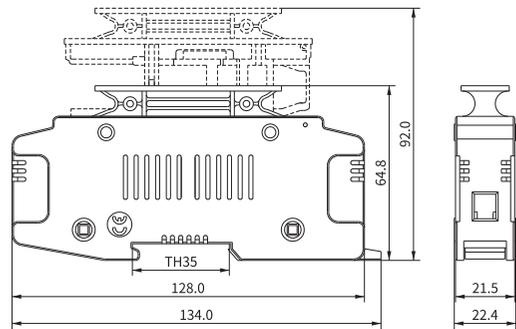
PV0191-1P-A



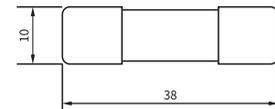
PV0191-1P



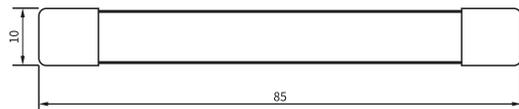
HDKDC1P25AL



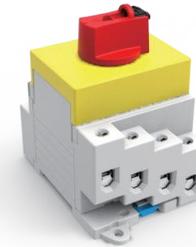
BX0234-25A



FSKDC25AL



FSKDC25AL-14



Description

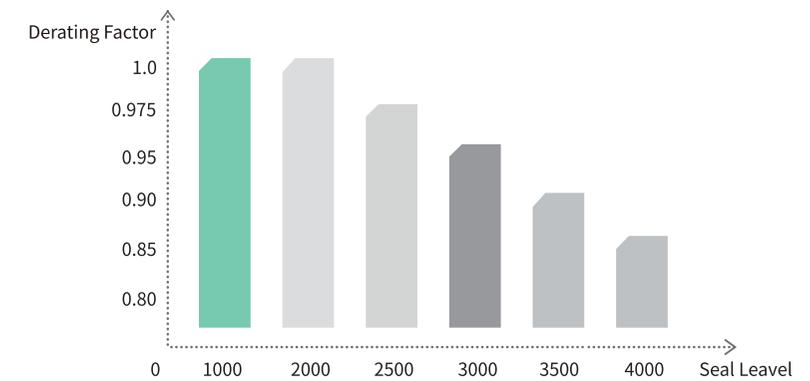
- Parallel wiring, larger aperture, much easier wiring.
- Suitable for distribution box module with lock installation.
- Arc extinction time less than 3ms.
- Modular design. 2 poles & 4poles optional.
- Comply with IEC60947-3(ed.3.2):2015,DC-PV1standard.

Technical Data

Data according to IEC60947-3(ed.3.2):2015,GB14048.3. Utilization category DC-PV1/DC-PV2

500V	600V	700V	800V	900V	1000V	1200V	1500V	Series	No.of Strings	Part Number	Contact Configuration
32	32	32	32	23	16	13	7	2	1	LD0191-2	
32	32	32	32	23	16	13	7	4	2	LD0191-4	
32	32	32	32	32	32	32	23	4	1	LD0191-4S	
32	32	32	32	32	32	32	23	4	1	LD0191-4B	
32	32	32	32	32	32	32	23	4	1	LD0191-4T	

Altitude Derating Curve



LD0191



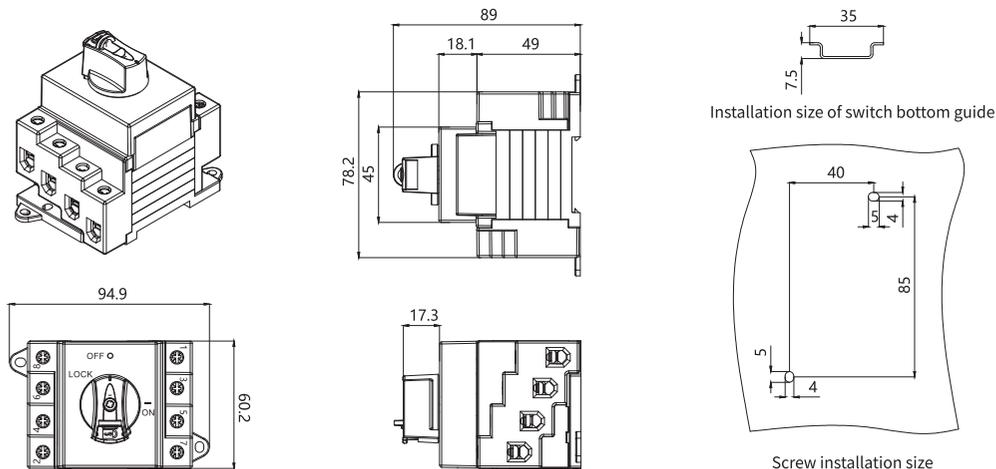
DC Isolator Switch ----- Standard_ IEC60947-3

Technical Data

Data according to IEC60947-3(ed.3.2):2015,UL508i,GB14048.3. Utilization category DC-PV1 / DC-PV2.

Main Parameters			LD0191
Rated insulation voltage	U_i	V	1500
Rated thermal current	I_{the}	A	32
Rated impulse withstand voltage	U_{imp}	V	8000
Rated short-circuit making capacity	I_{cm}	A	1000
Rated conditional short-circuit current	I_{cc}	A	5000
Max. fuse size	$g_c(gG)$	A	80
Maximum cable cross sections (incl. jumper)			
Solid or standard		mm ²	4-16
Flexible		mm ²	4-10
Flexible (+ multicore cable end)		mm ²	4-10
Torque			
Tightening torque terminal screws M4.		Nm	1.2-1.8
Tightening torque knob screws M3		Nm	0.5-0.7
Switching on or off torque		Nm	0.9-1.3
General parameters			
Method of mounting			Single Hole Mounting
Type of knob			
Knob positions			OFF at 9 hr, ON at 12 hr
Mechanical life			10000
Number of DC poles			2 or 4
Operation temperature		°C	-40 to +70
Storage temperature		°C	-40 to +85
Pollution degree			2
Overvoltage category			III
IP rating of shafte and mounting nut			IP66

Overall and Installation Dimension(mm)



LDDSC100R-EL32R



Enclosed DC Isolator Switch ----- Standard_ IEC60947-3

Description

IP66 box-type design:

- ♦ Screw fixing doesn't interfere with the sealing performance;
- ♦ Multiple mechanical seals around the shaft guarantee the reliability of a waterproof and moisture-proof design;
- ♦ Stainless steel rotary screw does not rust nor damp;
- ♦ Standard cable interface available with seal rings;
- ♦ Internal sealing in top and bottom covers, combined with 2 screws, guarantee an IP66 protection degree;

SAFE-LOCK with three rotational positions, reducing the risk of tampering.

The isolator is compatible with various cables: M25, M20, M16, and M12, and with optional waterproof cable joints and MC4 joints.

Characteristics of the integration inside the on/of switch:

- ♦ Compact structure, with optional 2 or 4 DC poles;
- ♦ Incorporating a user independent switching action, spring mechanism, to ensure a very fast break/make action, ensuring that the disconnection of the load circuits and suppression of the arc normally occurs within 5ms.
- ♦ Self-cleaning contact mechanism, reducing power loss and abrasion, improving the conduction performance, reducing the resistance and energy loss of the switch, extending the on-off lifecycle.
- ♦ Double arc extinguishing mechanism, magnetic and arc chutes, restrain the arc efficiency, especially DC arcs.



Technical Data

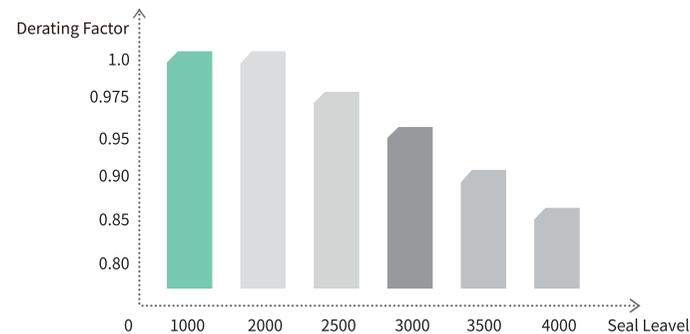
Data according to IEC60947-3(ed.3.2):2015,GB14048.3. Utilization category DC-PV1/DC-PV2								Series	No.of Strings	Part Number	Contact Configuration
500V	600V	700V	800V	900V	1000V	1200V	1500V				
32	32	32	32	23	16	13	7	2	1	LD0189-2	
32	32	32	32	23	16	13	7	4	2	LD0189-4	
32	32	32	32	32	32	32	23	4	1	LD0189-4S	
32	32	32	32	32	32	32	23	4	1	LD0189-4B	
32	32	32	32	32	32	32	23	4	1	LD0189-4T	

Technical Data

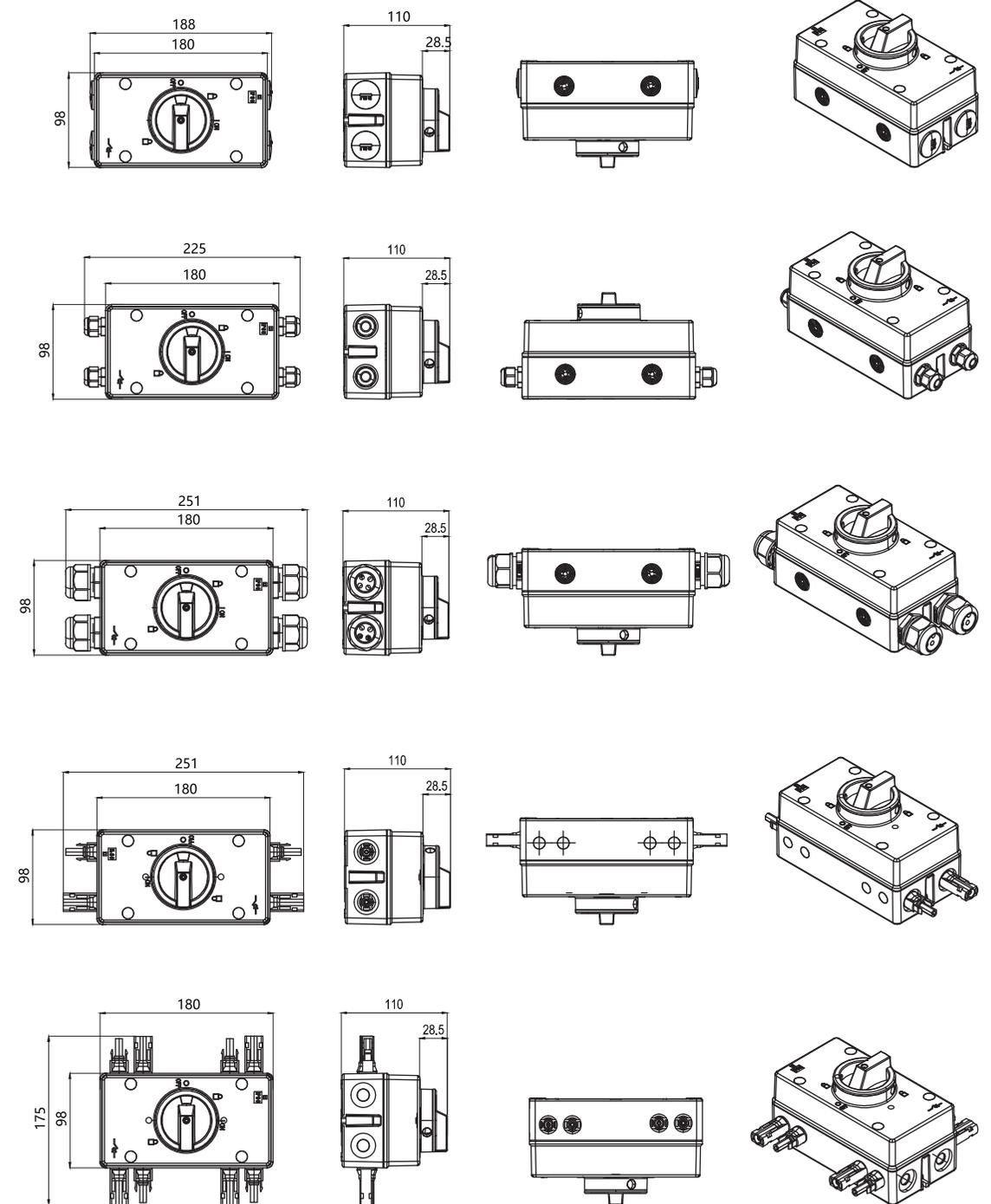
Data according to IEC60947-3(ed.3.2):2015,UL508i,GB14048.3. Utilization category DC-PV1 / DC-PV2.

Main Parameters			LD0189
Rated insulation voltage	U_i	V	1500
Rated thermal current	I_{the}	A	32
Rated impulse withstand voltage	U_{imp}	V	8000
Rated short-circuit making capacity	I_{cm}	A	1000
Rated conditional short-circuit current	I_{cc}	A	5000
Max. fuse size	$g_c(gG)$	A	80
Maximum cable cross sections (incl. jumper)			
Solid or standard		mm ²	4-16
Flexible		mm ²	4-10
Flexible (+ multicore cable end)		mm ²	4-10
Torque			
Tightening torque terminal screws M4.		Nm	1.2-1.8
Tightening torque panel mounting screws ST4.2(304 stainless steel)		Nm	1.5-2.0
Tightening torque knob screws M3		Nm	0.5-0.7
Switching on or off torque		Nm	0.9-1.3
General parameters			
Method of mounting	Wall-mounted or screw installation		
Type of knob	C		
Knob positions	OFF at 9 hr, ON at 12 hr		
Mechanical life	10000		
Number of DC poles	2 or 4		
Distance of contacts (per pole)	8		
Operation temperature	°C	-40 to +70	
Storage temperature	°C	-40 to +85	
Pollution degree	2		
Overvoltage category	III		
IP rating of shafte and mounting nut	IP66		
Types			
Specs	M25 Waterproof Cap	Cable Gland M25	Cable Gland M16
Independent Strings	1 or 2	1 or 2	1
Recommend Types	ALL	ALL	2/4S/4T/4B
			2MC4/H4(Optional)
			4MC4/H4(Optional)
			4

Altitude Derating Curve



Overall and Installation Dimension(mm)





Description

Control device: built in controller

Product structure: no power off, guide rail type, high current, small volume, two-stage typesimple structure, ATS integration

Features: fast switching speed, low failure rate, convenient maintenance and reliable performance

Wiring mode: front plate wiring

Conversion mode: power grid to power grid, power grid to generator, photovoltaic to urbarpower, automatic switching and self recovery

Product frame:100

Product current: 10,16,20,25,32,40,50,63, 80, 100A

Product classification: direct load type

Pole No.: 2, 3, 4

Standard: GB/T14048.11

A T S E: PC class

Switching time: 0.008s/8ms

General

The dual power automatic switch is a newly developed miniature household power switch, which is mainly used to test whether the main power supply or standby power supply is normal. When the normal power supply is abnormal, the standby power supply starts to work immediately, which ensures the continuity, reliability and safety of power supply. This product is specially designed for household rail installation and is specially used for PZ30 distribution box.

The dual power automatic switch is suitable for emergency power supply systems with 50 or 60Hz and rated 400V AC. ATS has the characteristics of solid structure, reliable conversion, convenient installation and maintenance and long service life. It is widely used in various occasions where power failure cannot be sustained, and can be operated by electricity or manually. ATS is composed of TSE and controller. According to GB/T14048.11, Part 6-1: multifunctional equipment and switchgear is formulated. It can be seen that ATS is the most qualified low-voltage switchgear and control device.

Normal operation time and installation conditions

Ambient air temperature

The maximum temperature shall not exceed 40°C, the minimum temperature shall not be lower than -5°C, and the average temperature within 24 hours shall not be higher than 35°C.

Altitude

The altitude of the installation site should not be higher than 2000m.

Atmospheric conditions

When the maximum temperature reaches 40°C, the relative humidity of the installation site should not exceed 50%; when the temperature is the minimum temperature -5°C, the relative humidity is higher, for example, the temperature is 25°C and the relative humidity is 90%. Due to the temperature change, special measures should be taken to deal with the occasional condensation on the surface of the product.

Pollution grade

The pollution grade of ATS conforms to grade 3 specified in GB/T14048.11.

Installation category

The installation type of ATS conforms to the category specified in GB/T14048.1 1.

Installation conditions

ATS can be installed vertically in control cabinet or distribution cabinet. Make sure the installation distance meets the requirements in Figure 1.

Main technical parameters

Specification	100A		
Rated current Ie(A)	16, 20, 25	32,40, 50, 63	80,100
Insulation voltage Ui	AC690V, 50Hz		
Rated voltage Ue	AC400V,50Hz		
Classification	PC class: can be manufactured and withstood without short circuit current		
Utilization category	AC-33iB		AC-31B
Pole No.	2P	3P	4P
Weight(kg)	1.7	2.1	2.6
Electrical	Life:2000 times; Manual operation: 5000 times		
Rated short circuit current Iq	50kA		
Short circuit protection device (fuse)	RT16-00-63A		
Rated impulse withstand voltage	8kV		
Control circuit	Rated control voltage Us:AC220V/50Hz Normal working conditions: 85-110%Us		
Auxiliary circuit	2 relays, each with two sets of contact converter contact capacity: AC220V50Hz Ie=5y		
Conversion time of contactor	<50ms		
Operation conversion time	<50ms		
Return conversion time	<50ms		
Power off time	<50ms		



Product Benefits

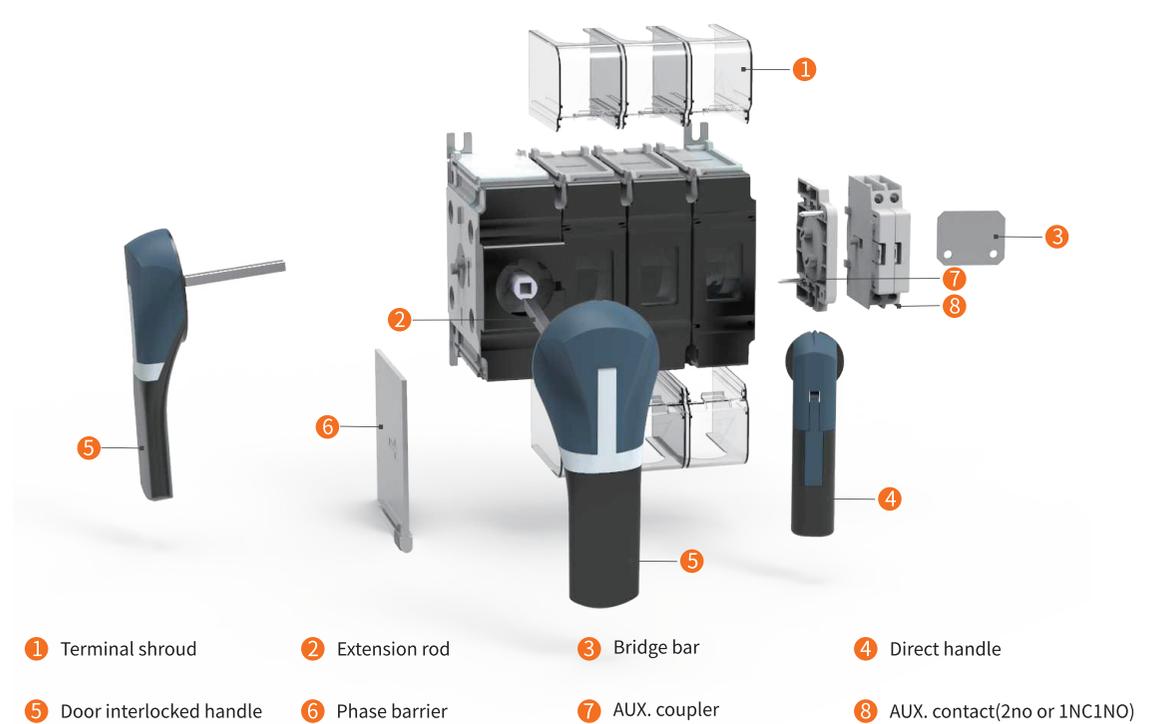
- Easy to install**
- Wiring: Switch is non-polarized, all types of wiring and connections are possible.
 - Easy access without tools, and auxiliary contacts can be integrated without tools.
 - The operating mechanism can be centered to meet the installation requirements.
- Safe reliable operation**
- Reliable position indicator through visible contacts.
 - The opening and closing of the switch is fully independent from the speed of operation, ensuring safe operation under all conditions.
 - High temperature withstand: no derating up to 70°C.
 - Ambient Temperature: -40°C to +70°C.
- Designed for harsh environments**
- Vibration testing (from 13.2 to 100 Hz at 0.7g).
 - Shock testing (15g during three cycles).
 - Humid temperature testing (2cycles, 55°C/131F with 95% humidity level).
 - Salt mist testing(3cycles with humidity storage, 40°C/104F, 93% humidity after each cycle).
- AUX. contact easy-mounting**
- Side mount PE pole
 - Side mount auxiliary contactP1: 1NO+1NC P2: 2NO P3: 1NO

Select Code

LDHD N - DB 250 R - 02
 1 2 3 4 5 6

No	Description	Code
1	High voltage DC disconnecter	LDHD
2	Rated Voltage	N:1000Vdc T:1500Vdc
3	Installation method	DB: Directly operate the handle in the cabinet DC: Outside handle EL:Plastic enclosure box ELA:Metal enclosure box
4	Rated current	160, 250, 315, 400,630, 800
5	Knob lock	R: With lock Nils: Without lock
6	Pole array	02, 11, 03, 12, 22

*Note: The left digit represents the number on the left side of the operating mechanism, and the right digit represents the number on the right side of the operating mechanism



- *Note:Accessories
1. Phase barrier: PB315 for LDHD-315, PB630 for LDHD-630;
 2. Terminal shield: TS315 for LDHD-315, TS630 for LDHD-630;
 3. Extension Rod: ER0620/ER1020,0620 represents square rod size 6, length 200,1020 represents square rod size 10, length 200, and the length can be customized

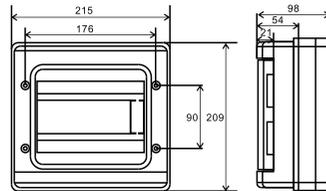
Technical Data

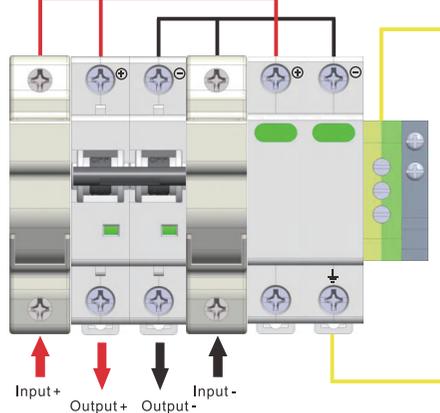
Rated current (Ie)	160A	250A	315A	315H	400A	630A	800A
Frame size	LDHD-315				LDHD-630		
Thermal current (Ith)	160	250	315	400	400	630	800
Rated insulation voltage (Ui)	1500	1500	1500	1500	1500	1500	1500
Rated impulse withstand voltage Uimp (kV)	12	12	12	12	12	12	12
Code	Number of poles	Rated voltage	Utilisation category	Ie(A)	Ie(A)	Ie(A)	Ie(A)
LDHDN	2P(1P+,1P-)	4P(2P+,2P-)	1000VDC DC-PV1/DC-21B	160	250	315	400
LDHDT	2P(1P+,1P-)	4P(2P+,2P-)	1500VDC DC-PV1/DC-21B	160	250	315	400
LDHDT	3P(2P+,1P-)	6P(4P+,2P-)	1500VDC DC-PV1/DC-21B	-	-	-	-
LDHDN	2P(1P+,1P-)	4P(2P+,2P-)	1000VDC DC-PV2	160	250	315	400
LDHDT	2P(1P+,1P-)	4P(2P+,2P-)	1500VDC DC-PV2	100	160	250	400
LDHDT	3P(2P+,1P-)	6P(4P+,2P-)	1500VDC DC-PV2	-	-	315	400
The short-circuit capacity is between 1000 and 1500VDC (no protection)							
Rated short time withstand current Icw 1s (kAeff)	Icw	5	5	5	5	8	8
Rated short-circuit making capacity Icm(kA peak) -60ms	Icm	10	10	10	10	10	10
Cable							
Recommended Cu rigid cable cross section(mm)	70	120	185	185	240	2x185	2x240
Recommended Cu busbar width(mm)	20	20	20	20	25	25	25
Mechanical characteristics							
Durability (number of operating cycles)	8000	8000	8000	8000	8000	8000	8000
Number of cycles of operation with current	1000	1000	1000	1000	1000	1000	1000



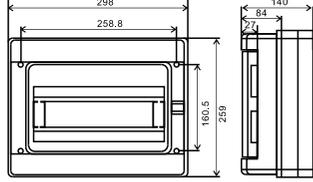
Overview

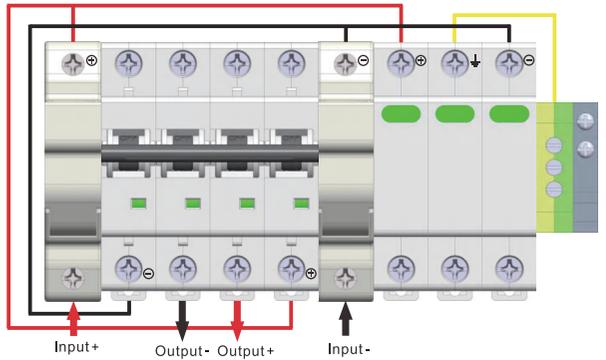
LEADER LDDB-PV series IP65 Solar DC combiner box is suitable for 500V or 1000V photovoltaic grid-connected and off-grid power generation systems. are equipped with DC circuit breakers or isolator, type 2 DC surge arrester and DC fuse to provide short circuit fault protection and lightning protection. Within enclosure, we pre-assemble reliable DC components to reduce installation cost and time. It makes your solar panel system connection easier.

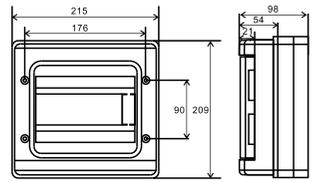


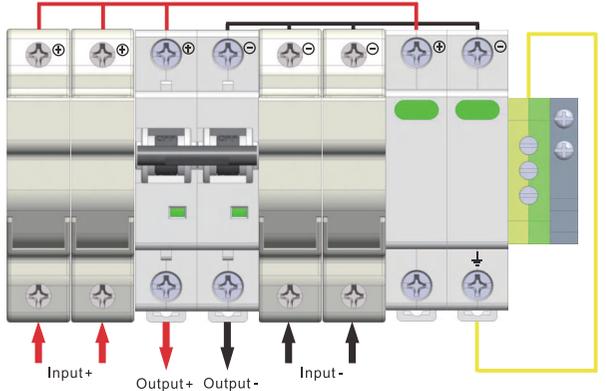
Type	LDDB-PV1/1-500-M	Quantity
Encloser of Box	HA-8 ways	1
DC SPD	LD-SPD2P-40KA	1
DC MCB	LDM7-2P-63	1
DC Fuse with Link	PV0191-1P/BX0234-15	2

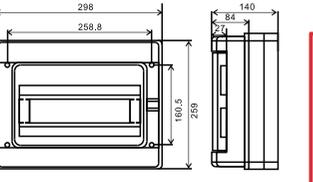


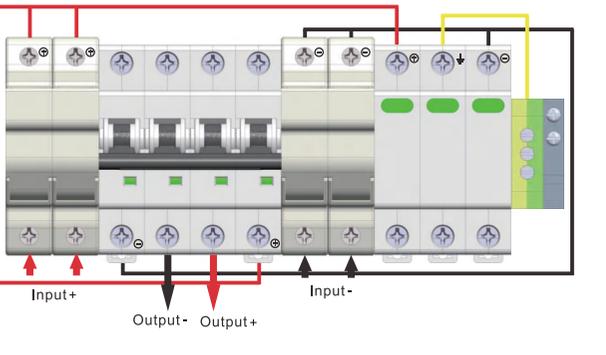
Type	LDDB-PV1/1-1000-M	Quantity
Encloser of Box	HA-12 ways	1
DC SPD	LD-SPD3P-40KA	1
DC MCB	LDM7-4P-63	1
DC Fuse with Link	PV0191-1P/BX0234-15	2



Type	LDDB-PV2/1-500-M	Quantity
Encloser of Box	HA-8 ways	1
DC SPD	LD-SPD2P-40KA	1
DC MCB	LDM7-2P-63	1
DC Fuse with Link	PV0191-1P/BX0234-15	4

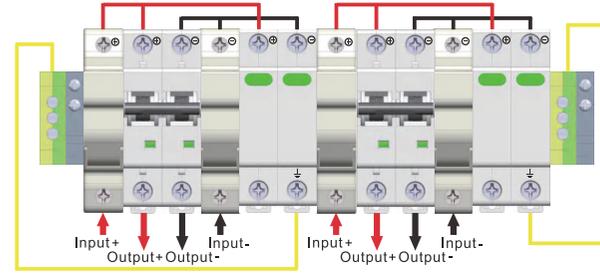
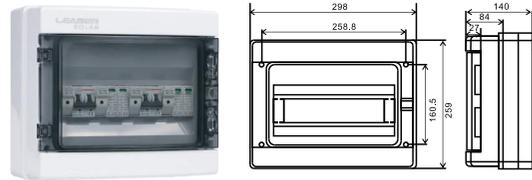


Type	LDDB-PV2/1-1000-M	Quantity
Encloser of Box	HA-12 ways	1
DC SPD	LD-SPD3P-40KA	1
DC MCB	LDM7-4P-63	1
DC Fuse with Link	PV0191-1P/BX0234-15	4

LDDBPV

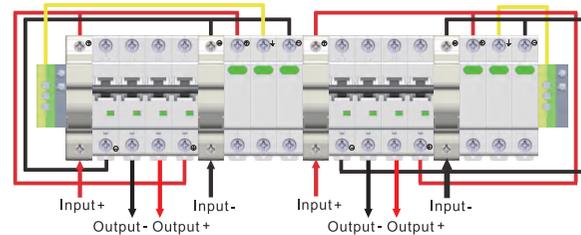
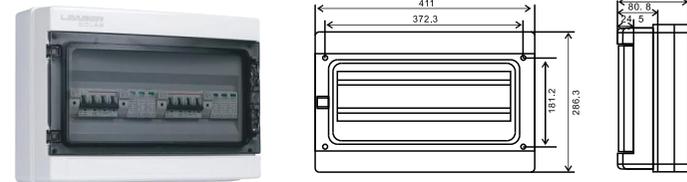


Combiner Box



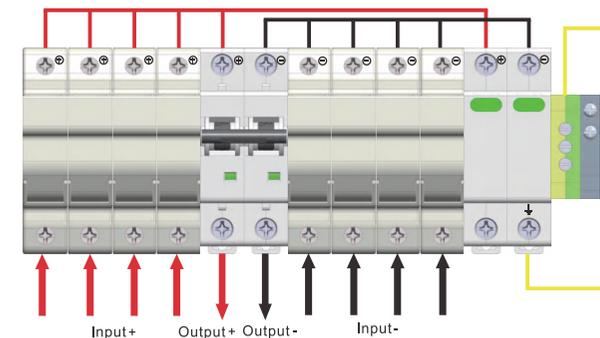
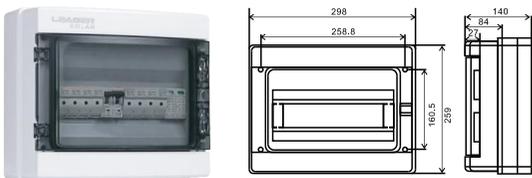
2 String Input 2 String Output DC 500V

Type	LDDB-PV2/2-500-M	Quantity
Encloser of Box	HA-12 ways	1
DC SPD	LD-SPD2P-40KA	2
DC MCB	LDM7-2P-63	2
DC Fuse with Link	PV0191-1P/BX0234-15	4



2 String Input 2 String Output DC 1000V

Type	LDDB-PV2/2-1000-M	Quantity
Encloser of Box	HA-18 ways	1
DC SPD	LD-SPD3P-40KA	2
DC MCB	LDM7-4P-63	2
DC Fuse with Link	PV0191-1P/BX0234-15	4



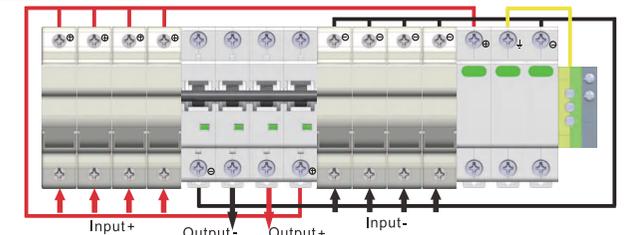
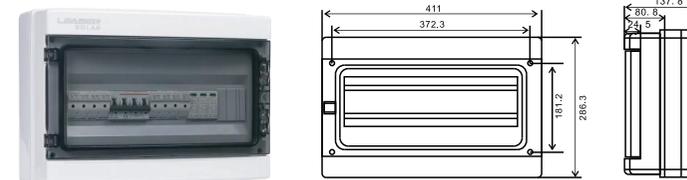
4 String Input 1 String Output DC 500V

Type	LDDB-PV4/1-500-M	Quantity
Encloser of Box	HA-12 ways	1
DC SPD	LD-SPD2P-40KA	1
DC MCB	LDM7-2P-63	1
DC Fuse with Link	PV0191-1P/BX0234-15	8

LDDBPV

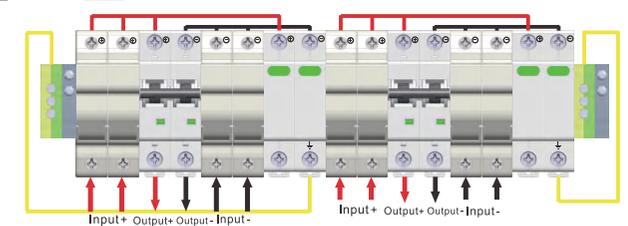
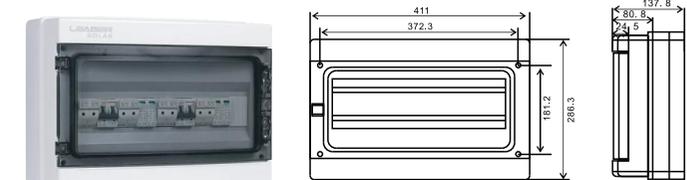


Combiner Box



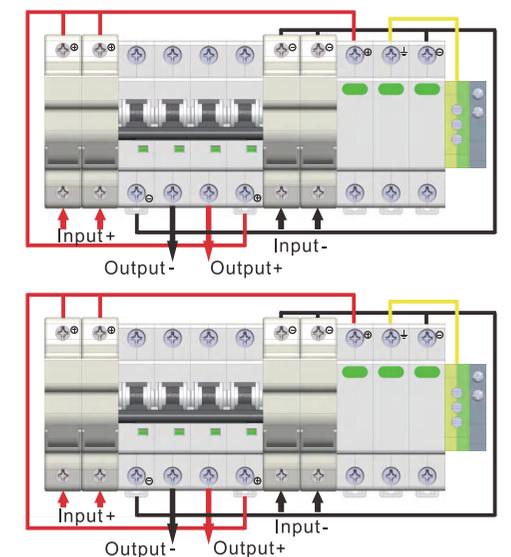
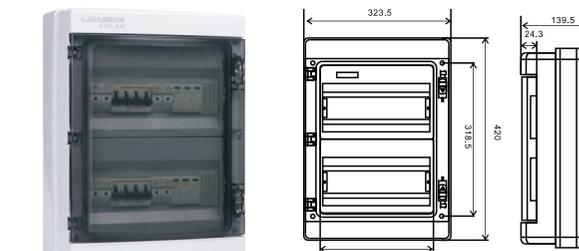
4 String Input 1 String Output DC 1000V

Type	LDDB-PV4/1-1000-M	Quantity
Encloser of Box	HA-18 ways	1
DC SPD	LD-SPD3P-40KA	1
DC MCB	LDM7-4P-63	1
DC Fuse with Link	PV0191-1P/BX0234-15	8



4 String Input 2 String Output DC 500V

Type	LDDB-PV4/2-500-M	Quantity
Encloser of Box	HA-18 ways	1
DC SPD	LD-SPD2P-40KA	2
DC MCB	LDM7-2P-63	2
DC Fuse with Link	PV0191-1P/BX0234-15	8



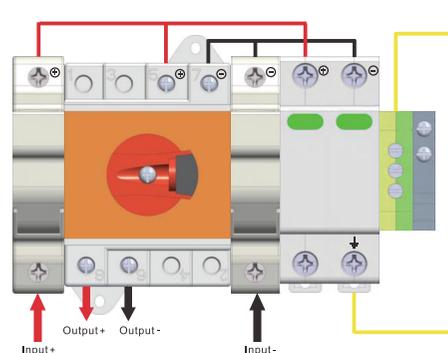
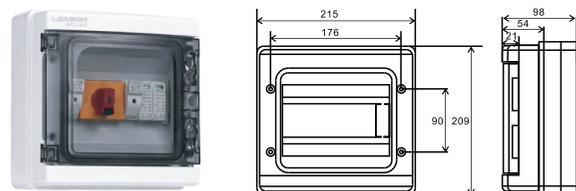
4 String Input 2 String Output DC 1000V

Type	LDDB-PV4/2-1000-M	Quantity
Encloser of Box	HA-24 ways	1
DC SPD	LD-SPD3P-40KA	2
DC MCB	LDM7-4P-63	2
DC Fuse with Link	PV0191-1P/BX0234-15	8

LDDBPV

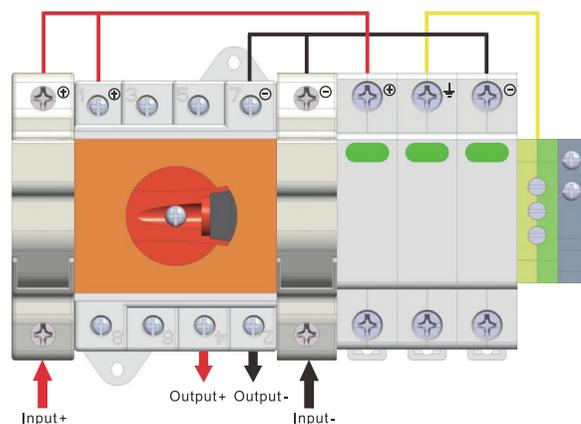
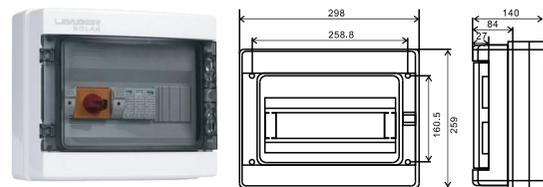


Combiner Box



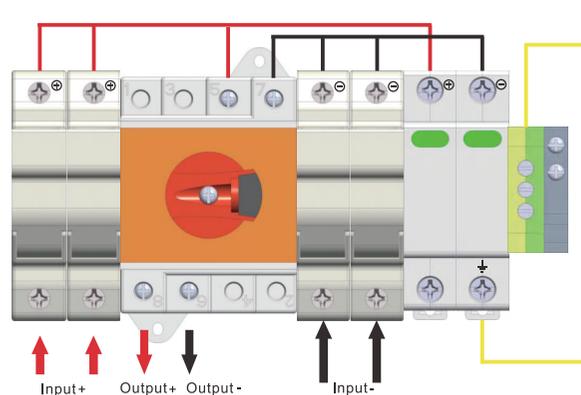
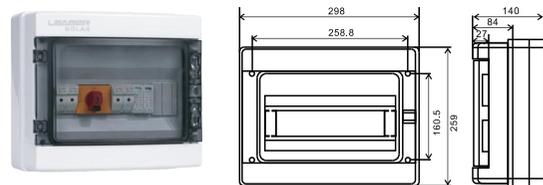
1 String Input 1 String Output DC 600V

Type	LDDB-PV1/1-600-I	Quantity
Encloser of Box	HA-8 ways	1
DC SPD	LD-SPD2P-40KA	1
DC Isolator	LD0191-YL-4P	1
DC Fuse with Link	PV0191-1P/BX0234-15	2



1 String Input 1 String Output DC 1000V

Type	LDDB-PV1/1-1000-I	Quantity
Encloser of Box	HA-12 ways	1
DC SPD	LD-SPD3P-40KA	1
DC Isolator	LD0191-YL-4P	1
DC Fuse with Link	PV0191-1P/BX0234-15	2



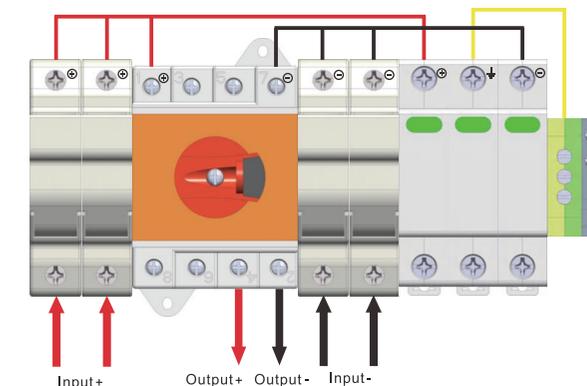
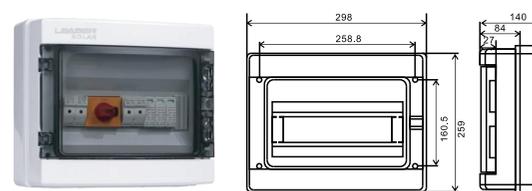
2 String Input 1 String Output DC 600V

Type	LDDB-PV2/1-600-I	Quantity
Encloser of Box	HA-12 ways	1
DC SPD	LD-SPD2P-40KA	1
DC Isolator	LD0191-YL-4P	1
DC Fuse with Link	PV0191-1P/BX0234-15	4

LDDBPV

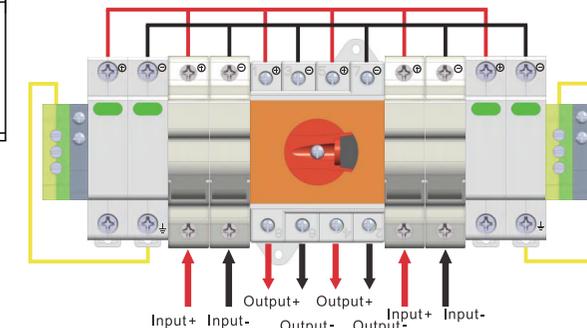
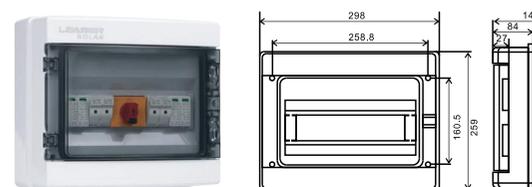


Combiner Box



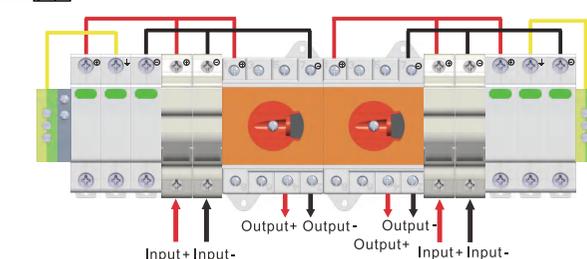
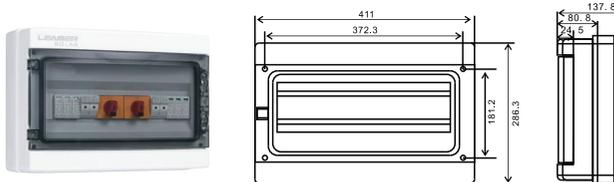
2 String Input 1 String Output DC 1000V

Type	LDDB-PV2/1-1000-I	Quantity
Encloser of Box	HA-12 ways	1
DC SPD	LD-SPD3P-40KA	1
DC Isolator	LD0191-YL-4P	1
DC Fuse with Link	PV0191-1P/BX0234-15	4



2 String Input 2 String Output DC 600V

Type	LDDB-PV2/2-600-I	Quantity
Encloser of Box	HA-12 ways	1
DC SPD	LD-SPD2P-40KA	2
DC Isolator	LD0191-YL-4P	1
DC Fuse with Link	PV0191-1P/BX0234-15	4

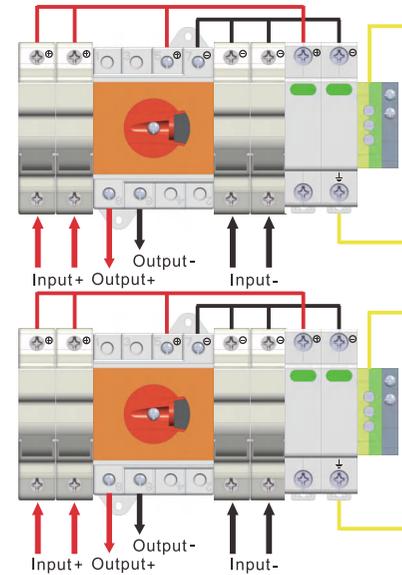
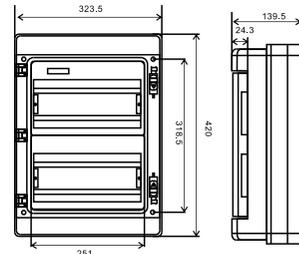


2 String Input 2 String Output DC 1000V

Type	LDDB-PV2/2-1000-I	Quantity
Encloser of Box	HA-18 ways	1
DC SPD	LD-SPD3P-40KA	2
DC Isolator	LD0191-YL-4P	2
DC Fuse with Link	PV0191-1P/BX0234-15	4

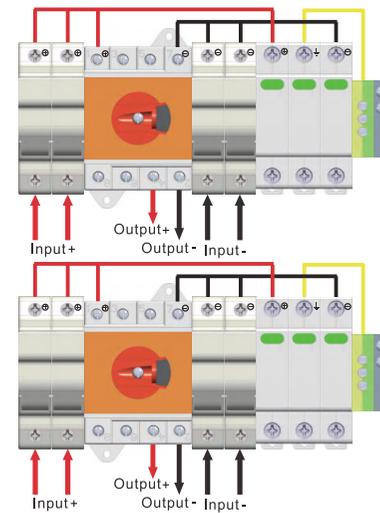
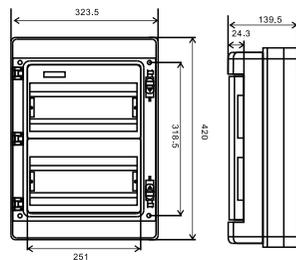
LDDBPV

Combiner Box



4 String Input 2 String Output DC 600V

Type	Lddb-PV4/2-600-I	Quantity
Enclosure of Box	HA-24 ways	1
DC SPD	LD-SPD2P-40KA	2
DC Isolator	LD0191-YL-4P	2
DC Fuse with Link	PV0191-1P/BX0234-15	8



4 String Input 2 String Output DC 1000V

Type	Lddb-PV4/2-1000-I	Quantity
Enclosure of Box	HA-24 ways	1
DC SPD	LD-SPD3P-40KA	2
DC Isolator	LD0191-YL-4P	2
DC Fuse with Link	PV0191-1P/BX0234-15	8

LDDB4

Distribution Box



Standard_ IEC62208



Description

The Distribution Box is used for Terminal power distributing system
The Distribution Box are completed with Din-rail 35mm and Neutral Terminal (Selectable)

Electrical Rating	100A/single phase,63A/three phase,240/415V AC 50/60Hz
Protection Degree	IP65
Material	Shell: ABS Door: Transparent PC
Installation Method	Surface-Mounted

Type of open door from right to left

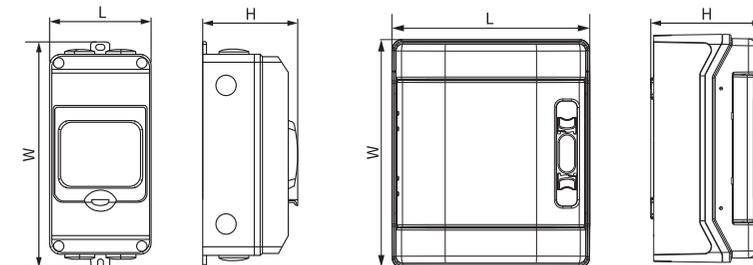
Without Neutral Terminal Model

Model No.		Ways	Dimension(mm)		
PC	Code		L	W	H
LDDB4P4R	604241	4	100	221	94
LDDB4P6R	604242	6	201	230	114
LDDB4P8R	604243	8	237	230	114
LDDB4P12R	604245	12	308	230	114
LDDB4P18R	604246	18	417	230	114
LDDB4P24R	604247	24(2x12)	309	391	114

With Neutral Terminal Model

Model No.		Ways	Dimension(mm)		
PC	Code		L	W	H
LDDB4P4RT	604211	4	100	221	94
LDDB4P6RT	604212	6	201	230	114
LDDB4P8RT	604213	8	237	230	114
LDDB4P12RT	604215	12	308	230	114
LDDB4P18RT	604216	18	417	230	114
LDDB4P24RT	604217	24(2x12)	309	391	114

Overall and Installation Dimension(mm)



Ways: 4

HA/Waterproof distribution box series(IP65)



Distribution Box ----- Standard_ IEC62208



Description

- Suitable for PV system, equipped with a surge protector and an isolator, providing isolation, leakage and grounding protection.
- Enclosures are made of polycarbonate (PC-ABS) materials. IK08 high impact-resistance and light enough to easily carry. IP65 rating for outdoor installation, resisting UV radiation, water, dust, reducing corrosion.
- Through transparency cover, you can observe interior mechanism directly.
- Reliable components, with TUV, CE certificated, in accordance with IEC standard.
- IP65 cable connector. Waterproof cable connector & MC4 connector are optional.

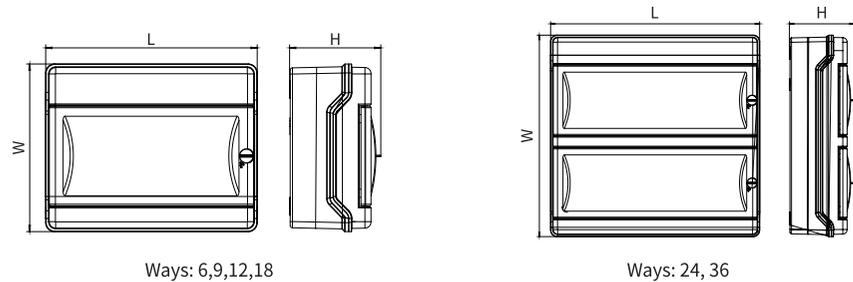
Type of open door from right to left

Product size



Model No.	Dimension(mm)		
	L	W	H
HA-4P	143	210	100
HA-8P	215	210	120
HA-12P	298	260	140
HA-18P	410	285	140
HA-24P	298	420	140
HA-36P	298	570	140

Overall and Installation Dimension(mm)



HT/Waterproof distribution box series(IP65)



PV Waterproof Box ----- Standard_ IEC60529



Product Function Introduction

- IP65 degree of protection
- Lock structure
- Reserved position for functional stickers
- Reserved for installation of anti-theft locks
- Circuit baffle structure
- Surface frame loose structure
- With knockout hole
- With copper terminal assemblies

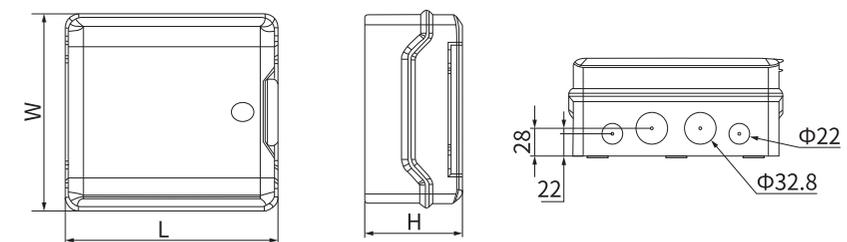
HT Series Surface-Mounted Waterproof Distribution Box Product Data Summary Table

Product size



Model No.	Dimension(mm)		
	L	W	H
HT-2P	120	55	95
HT-5P	159	119	90
HT-8P	155	201	90
HT-12P	198	255	108
HT-15P	198	309	108
HT-18P	198	363	108
HT-24P	273	354	108

Overall and Installation Dimension(mm)





Overview

The LDDBT series photovoltaic DC combiner box is a metal casing with an IP65 protection level. It supports the merging of the DC inputs of up to 24 photovoltaic cell module strings into one or more outputs. It is suitable for residential, commercial, and Industrial photovoltaic power generation systems operating under 1000V, 1500V DC voltage.

This series of products integrates short-circuit and over-voltage protection devices such as DC circuit breakers, fuses, isolator switches, surge protectors, etc., which simplifies the input wiring of DC distribution cabinets and inverters, ensuring the safety of the photovoltaic power generation system, reliable operation.

Here we only list some of the combiner box configuration types on the market. If there are special needs, they can be customized according to the user's needs.

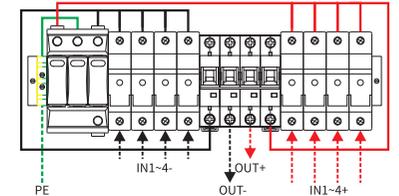
Model Preparation Meaning

LD	DBT	PV	4/1	IFS	1000
①	②	③	④	⑤	⑥
Code name	Meaning		Code name	Meaning	
①	LEADER		④	String in/String out: 4/1, 4/2, 6/1, 6/2, 8/1, 8/2, 10/1, 12/1, 12/2, 16/1, 18/1, 20/1, 24/1	
②	DBT: metal box		⑤	Blank: without F: Fuse M: MC4 I: Isolator/DC Load Disconnecter B: Breaker C: Cable Gland S: SPD	
③	PV: General photovoltaic sites PVZ: Photovoltaic power station		⑥	1000: 1000V 1500: 1500V	

4 String Input 1 String Output DC 1000V

DC MCB Breaker Box

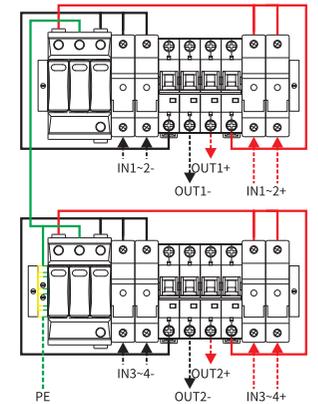
Model	LDDBT-PV4/1-FBS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	1
DC MCB	LDM7-4P-63-63A	1
DC Fuse with Link	PV0191-1P/BX0234-15A	8
PG connector	PG9 (4-9mm)	8
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C(6mm ²)	5
	SY-CP4C (6mm ²)	5
Ground connector	PG9 (4-9mm)	1



4 String Input 2 String Output DC 1000V

DC MCB Breaker Box

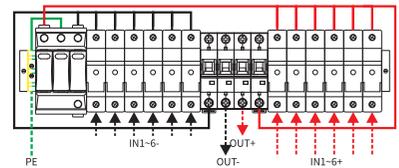
Model	LDDBT-PV4/2-FBS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	2
DC MCB	LDM7-4P-63-32A	2
DC Fuse with Link	PV0191-1P/BX0234-15A	8
PG connector	PG9 (4-9mm)	8
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	6
	SY-CP4C (6mm ²)	6
Ground connector	PG9 (4-9mm)	1



6 String Input 1 String Output DC 1000V

DC MCB Breaker Box

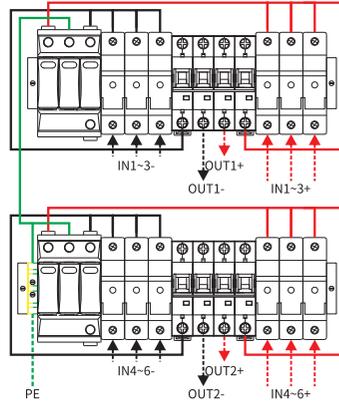
Model	LDDBT-PV6/1-FBS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	1
DC MCB	LDM7-4P-63-63A	1
DC Fuse with Link	PV0191-1P/BX0234-10A	12
PG connector	PG9 (4-9mm)	12
	PG21 (13-18mm)	2
MC4 connector	SYCP4C (6mm ²)	7
	SYCP4C (6mm ²)	7
Ground connector	PG9 (4-9mm)	1



6 String Input 2 String Output DC 1000V

DC MCB Breaker Box

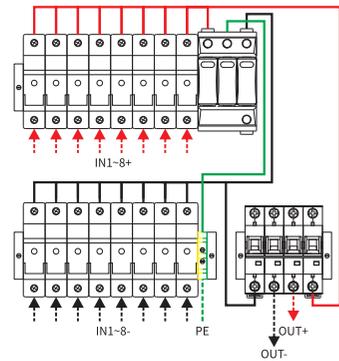
Model	LDDBT-PV6/2-FBS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	2
DC MCB	LDM7-4P-63-63A	2
DC Fuse with Link	PV0191-1P/BX0234-20A	12
PG connector	PG9 (4-9mm)	12
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	8
	SY-CP4C (6mm ²)	8
Ground connector	PG9 (4-9mm)	1



8 String Input 1 String Output DC 1000V

DC MCB Breaker Box

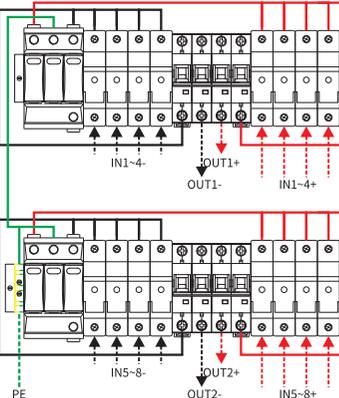
Model	LDDBT-PV8/1-FBS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	1
DC MCB	LDM7-4P-63-63A	1
DC Fuse with Link	PV0191-1P/BX0234-8A	16
PG connector	PG9 (4-9mm)	16
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	9
	SY-CP4C (6mm ²)	9
Ground connector	PG9 (4-9mm)	1



8 String Input 2 String Output DC 1000V

DC MCB Breaker Box

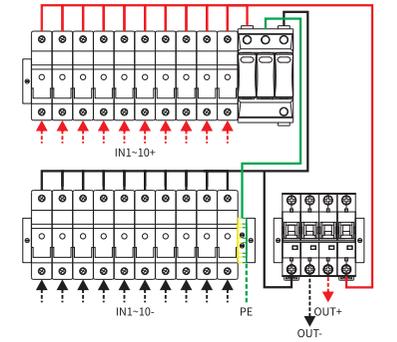
Model	LDDBT-PV8/2-FBS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	2
DC MCB	LDM7-4P-63-63A	2
DC Fuse with Link	PV0191-1P/BX0234-15A	16
PG connector	PG9 (4-9mm)	16
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	10
	SY-CP4C (6mm ²)	10
Ground connector	PG9 (4-9mm)	1



10 String Input 1 String Output DC 1000V

DC MCB Breaker Box

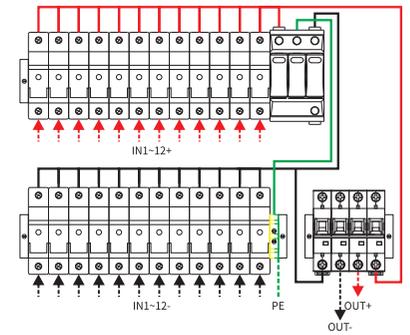
Model	LDDBT-PV10/1-FBS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	1
DC MCB	LDM7-4P-63-63A	1
DC Fuse with Link	PV0191-1P/BX0234-6A	20
PG connector	PG9 (4-9mm)	20
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	11
	SY-CP4C (6mm ²)	11
Ground connector	PG9 (4-9mm)	1



12 String Input 1 String Output DC 1000V

DC MCB Breaker Box

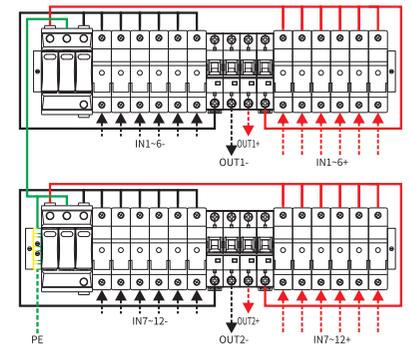
Model	LDDBT-PV12/1-FBS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	1
DC MCB	LDM7-4P-63-63A	1
DC Fuse with Link	PV0191-1P/BX0234-5A	24
PG connector	PG9 (4-9mm)	24
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	13
	SY-CP4C (6mm ²)	13
Ground connector	PG9 (4-9mm)	1



12 String Input 2 String Output DC 1000V

DC MCB Breaker Box

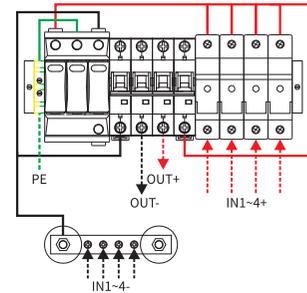
Model	LDDBT-PV12/2-FBS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	2
DC MCB	LDM7-4P-63-63A	2
DC Fuse with Link	PV0191-1P/BX0234-10A	24
PG connector	PG9 (4-9mm)	24
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	14
	SY-CP4C (6mm ²)	14
Ground connector	PG9 (4-9mm)	1



4 String Input 1 String Output DC 1000V (Economy Type)

DC MCB Breaker Box

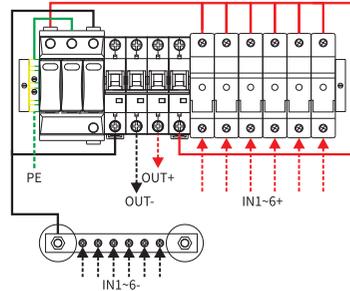
Model	LDDBT-PV4/1-FBS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40ka-1000V	2
DC MCB	LDM7-4P-63-32A	2
DC Fuse with Link	PV0191-1P/BX0234-15A	4
PG connector	PG9 (4-9mm)	8
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	5
	SY-CP4C (6mm ²)	5
Ground connector	PG9 (4-9mm)	1



6 String Input 1 String Output DC 1000V (Economy Type)

DC MCB Breaker Box

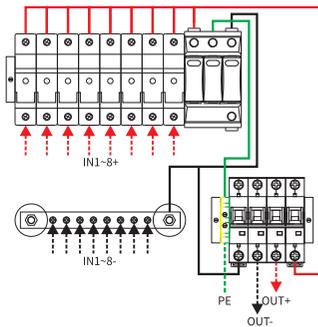
Model	LDDBT-PV6/1-FBS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40ka-1000V	1
DC MCB	LDM7-4P-63-63A	1
DC Fuse with Link	PV0191-1P/BX0234-10A	6
PG connector	PG9 (4-9mm)	12
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	7
	SY-CP4C (6mm ²)	7
Ground connector	PG9 (4-9mm)	1



8 String Input 1 String Output DC 1000V (Economy Type)

DC MCB Breaker Box

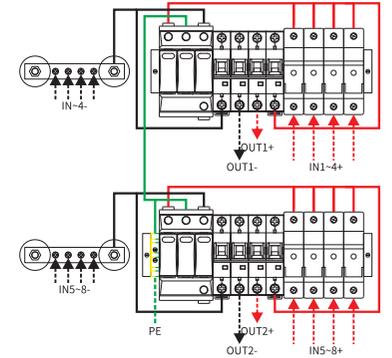
Model	LDDBT-PV8/1-FBS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40ka-1000V	1
DC MCB	LDM7-4P-63-63A	1
DC Fuse with Link	PV0191-1P/BX0234-8A	8
PG connector	PG9 (4-9mm)	16
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	9
	SY-CP4C (6mm ²)	9
Ground connector	PG9 (4-9mm)	1



8 String Input 2 String Output DC 1000V (Economy Type)

DC MCB Breaker Box

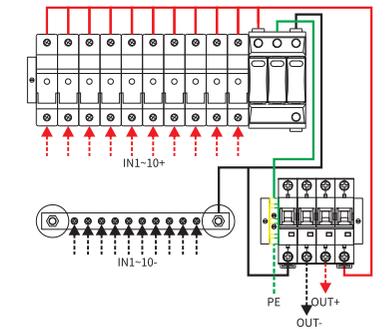
Model	LDDBT-PV8/2-FBS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40ka-1000V	2
DC MCB	LDM7-4P-63-63A	2
DC Fuse with Link	PV0191-1P/BX0234-15A	8
PG connector	PG9 (4-9mm)	16
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	10
	SY-CP4C (6mm ²)	10
Ground connector	PG9 (4-9mm)	1



10 String Input 1 String Output DC 1000V (Economy Type)

DC MCB Breaker Box

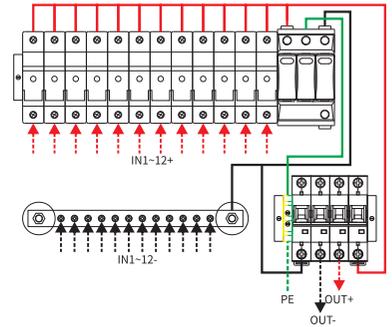
Model	LDDBT-PV10/1-FBS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40ka-1000V	1
DC MCB	LDM7-4P-63-63A	1
DC Fuse with Link	PV0191-1P/BX0234-6A	10
PG connector	PG9 (4-9mm)	20
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	11
	SY-CP4C (6mm ²)	11
Ground connector	PG9 (4-9mm)	1



12 String Input 1 String Output DC 1000V (Economy Type)

DC MCB Breaker Box

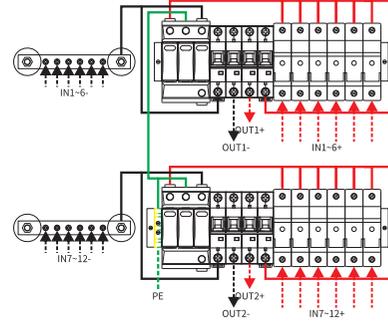
Model	LDDBT-PV12/1-FBS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40ka-1000V	1
DC MCB	LDM7-4P-63-63A	1
DC Fuse with Link	PV0191-1P/BX0234-5A	12
PG connector	PG9 (4-9mm)	24
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	13
	SY-CP4C (6mm ²)	13
Ground connector	PG9 (4-9mm)	1



12 String Input 2 String Output DC 1000V (Economy Type)

DC MCB Breaker Box

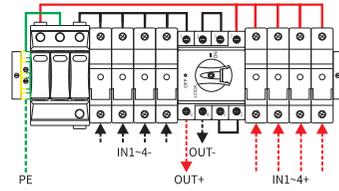
Model	LDDBT-PV12/2-FBS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	2
DC MCB	LDM7-4P-63-63A	2
DC Fuse with Link	PV0191-1P/BX0234-10A	12
PG connector	PG9 (4-9mm)	24
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	14
	SY-CP4C (6mm ²)	14
Ground connector	PG9 (4-9mm)	1



4 String Input 1 String Output DC 1000V

DC Isolator Switch Box

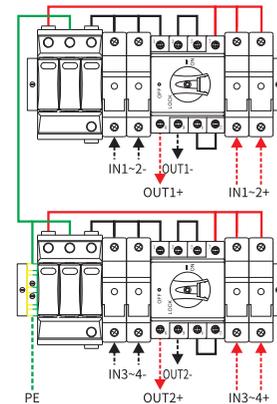
Model	LDDBT-PV4/1-IFS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	1
DC Isolator	LD0191-4S	1
DC Fuse with Link	PV0191-1P/BX0234-8A	8
PG connector	PG9 (4-9mm)	8
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	5
	SY-CP4C (6mm ²)	5
Ground connector	PG9 (4-9mm)	1



4 String Input 2 String Output DC 1000V

DC Isolator Switch Box

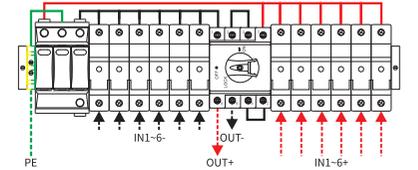
Model	LDDBT-PV4/2-IFS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	2
DC Isolator	LD0191-4S	2
DC Fuse with Link	PV0191-1P/BX0234-15A	8
PG connector	PG9 (4-9mm)	8
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	6
	SY-CP4C (6mm ²)	6
Ground connector	PG9 (4-9mm)	1



6 String Input 1 String Output DC 1000V

DC Isolator Switch Box

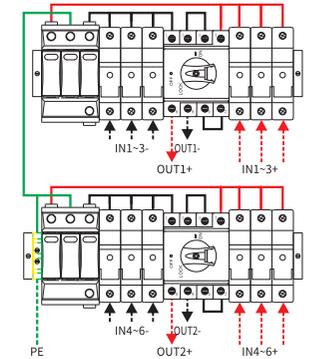
Model	LDDBT-PV6/1-IFS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	1
DC Isolator	LD0191-4S	1
DC Fuse with Link	PV0191-1P/BX0234-5A	12
PG connector	PG9 (4-9mm)	12
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	7
	SY-CP4C (6mm ²)	7
Ground connector	PG9 (4-9mm)	1



6 String Input 2 String Output DC 1000V

DC Isolator Switch Box

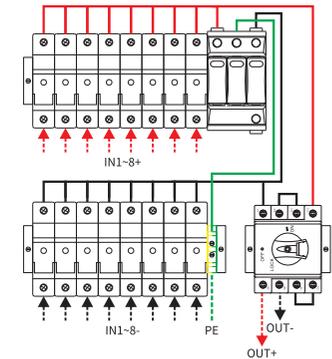
Model	LDDBT-PV6/2-IFS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	2
DC Isolator	LD0191-4S	2
DC Fuse with Link	PV0191-1P/BX0234-10A	12
PG connector	PG9 (4-9mm)	12
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	8
	SY-CP4C (6mm ²)	8
Ground connector	PG9 (4-9mm)	1



8 String Input 1 String Output DC 1000V

DC Isolator Switch Box

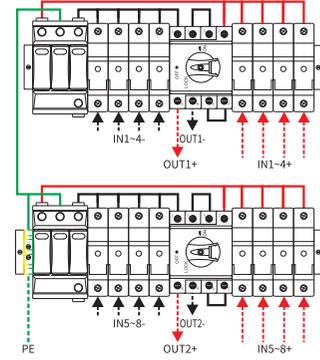
Model	LDDBT-PV8/1-IFS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	1
DC Isolator	LD0191-4S	1
DC Fuse with Link	PV0191-1P/BX0234-4A	16
PG connector	PG9 (4-9mm)	16
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	9
	SY-CP4C (6mm ²)	9
Ground connector	PG9 (4-9mm)	1



8 String Input 2 String Output DC 1000V

DC Isolator Switch Box

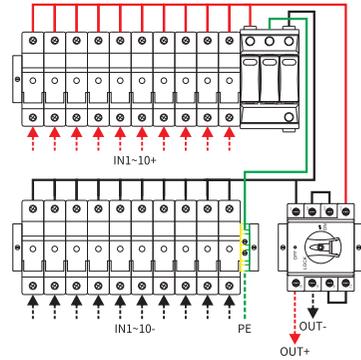
Model	LDDBT-PV8/2-IFS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	2
DC Isolator	LD0191-4S	2
DC Fuse with Link	PV0191-1P/BX0234-8A	16
PG connector	PG9 (4-9mm)	16
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	10
	SY-CP4C (6mm ²)	10
Ground connector	PG9 (4-9mm)	1



10 String Input 1 String Output DC 1000V

DC Isolator Switch Box

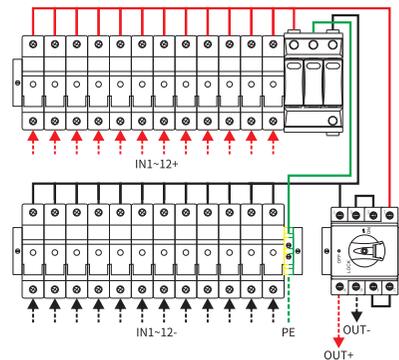
Model	LDDBT-PV10/1-IFS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	1
DC Isolator	LD0191-4S	1
DC Fuse with Link	PV0191-1P/BX0234-3A	20
PG connector	PG9 (4-9mm)	20
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	11
	SY-CP4C (6mm ²)	11
Ground connector	PG9 (4-9mm)	1



12 String Input 1 String Output DC 1000V

DC Isolator Switch Box

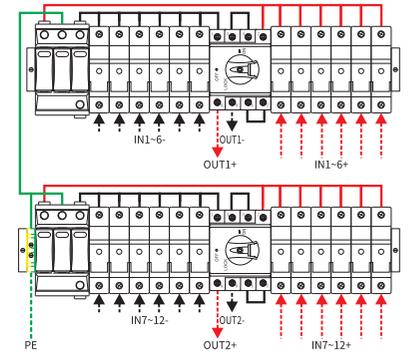
Model	LDDBT-PV12/1-IFS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	1
DC Isolator	LD0191-4S	1
DC Fuse with Link	PV0191-1P/BX0234-2A	24
PG connector	PG9 (4-9mm)	24
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	13
	SY-CP4C (6mm ²)	13
Ground connector	PG9 (4-9mm)	1



12 String Input 2 String Output DC 1000V

DC Isolator Switch Box

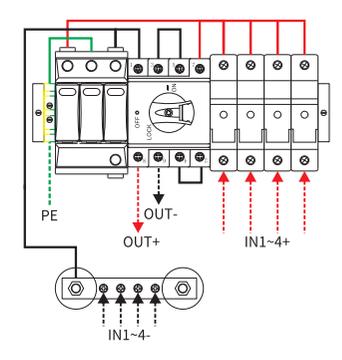
Model	LDDBT-PV12/2-IFS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	2
DC Isolator	LD0191-4S	2
DC Fuse with Link	PV0191-1P/BX0234-5A	24
PG connector	PG9 (4-9mm)	24
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	14
	SY-CP4C (6mm ²)	14
Ground connector	PG9 (4-9mm)	1



4 String Input 1 String Output DC 1000V (Economy Type)

DC Isolator Switch Box

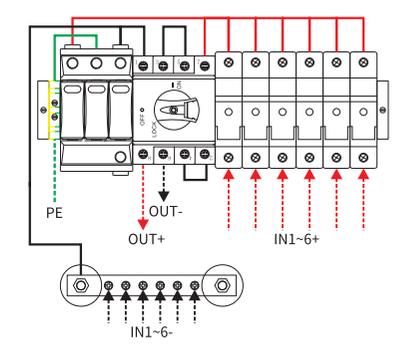
Model	LDDBT-PV4/1-IFS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	1
DC Isolator	LD0191-4S	1
DC Fuse with Link	PV0191-1P/BX0234-8A	4
PG connector	PG9 (4-9mm)	8
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	5
	SY-CP4C (6mm ²)	5
Ground connector	PG9 (4-9mm)	1



6 String Input 1 String Output DC 1000V (Economy Type)

DC Isolator Switch Box

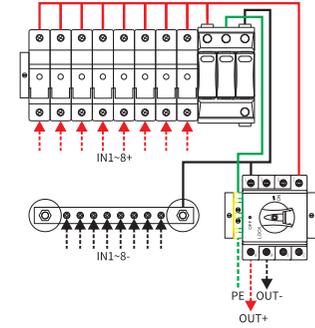
Model	LDDBT-PV6/1-IFS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	1
DC Isolator	LD0191-4S	1
DC Fuse with Link	PV0191-1P/BX0234-5A	6
PG connector	PG9 (4-9mm)	12
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	7
	SY-CP4C (6mm ²)	7
Ground connector	PG9 (4-9mm)	1



8 String Input 1 String Output DC 1000V (Economy Type)

DC Isolator Switch Box

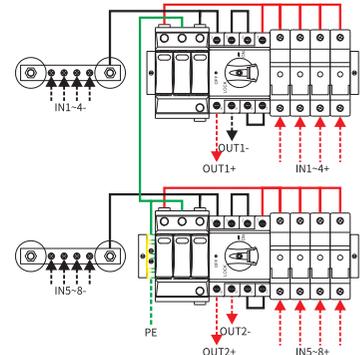
Model	LDDBT-PV8/1-IFS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	1
DC Isolator	LD0191-4S	1
DC Fuse with Link	PV0191-1P/BX0234-4A	8
PG connector	PG9 (4-9mm)	16
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	9
	SY-CP4C (6mm ²)	9
Ground connector	PG9 (4-9mm)	1



8 String Input 2 String Output DC 1000V (Economy Type)

DC Isolator Switch Box

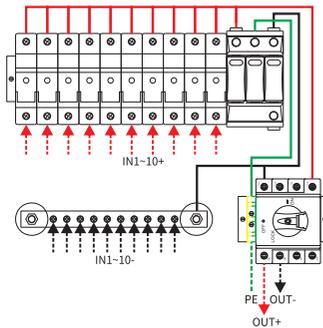
Model	LDDBT-PV8/2-IFS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	2
DC Isolator	LD0191-4S	2
DC Fuse with Link	PV0191-1P/BX0234-8A	8
PG connector	PG9 (4-9mm)	16
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	10
	SY-CP4C (6mm ²)	10
Ground connector	PG9 (4-9mm)	1



10 String Input 1 String Output DC 1000V (Economy Type)

DC Isolator Switch Box

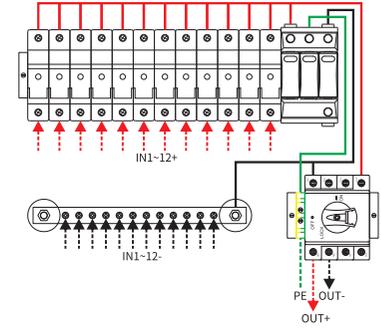
Model	LDDBT-PV10/1-IFS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	1
DC Isolator	LD0191-4S	1
DC Fuse with Link	PV0191-1P/BX0234-3A	10
PG connector	PG9 (4-9mm)	20
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	12
	SY-CP4C (6mm ²)	12
Ground connector	PG9 (4-9mm)	1



12 String Input 1 String Output DC 1000V (Economy Type)

DC Isolator Switch Box

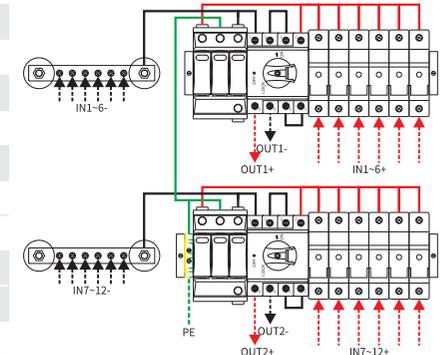
Model	LDDBT-PV12/1-IFS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	1
DC Isolator	LD0191-4S	1
DC Fuse with Link	PV0191-1P/BX0234-2A	12
PG connector	PG9 (4-9mm)	24
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	13
	SY-CP4C (6mm ²)	13
Ground connector	PG9 (4-9mm)	1



12 String Input 2 String Output DC 1000V (Economy Type)

DC Isolator Switch Box

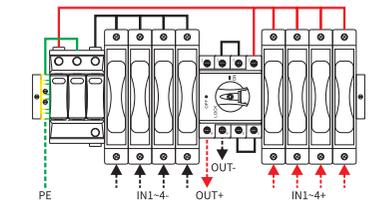
Model	LDDBT-PV12/2-IFS-1000	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	2
DC Isolator	LD0191-4S	2
DC Fuse with Link	PV0191-1P/BX0234-5A	12
PG connector	PG9 (4-9mm)	24
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	14
	SY-CP4C (6mm ²)	14
Ground connector	PG9 (4-9mm)	1



4 String Input 1 String Output DC 1500V

DC Isolator Switch Box

Model	LDDBT-PV4/1-IFS-1500	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	1
DC Isolator	LD0191-4S	1
DC Fuse with Link	HDKDC1P32AL/FSKDC6AL	8
PG connector	PG9 (4-9mm)	8
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	5
	SY-CP4C (6mm ²)	5
Ground connector	PG9 (4-9mm)	1



LDDBT-PV

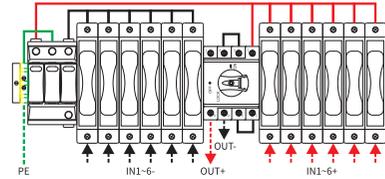
Solar DC Combiner Box



6 String Input 1 String Output DC 1500V

DC Isolator Switch Box

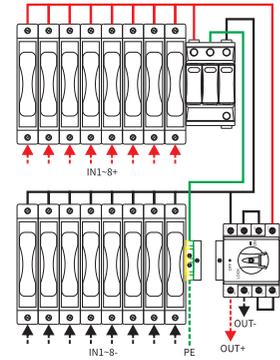
Model	LDDBT-PV6/1-IFS-1500	Quantity
Enclosure of Box	500×400×180mm	1
DC SPD	LD-SPD3P-40kA-1500V	1
DC Isolator	LD0191-4S	1
DC Fuse with Link	HDKDC1P32AL/FSKDC4AL	12
PG connector	PG9 (4-9mm)	12
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	7
	SY-CP4C (6mm ²)	7
Ground connector	PG9 (4-9mm)	1



8 String Input 1 String Output DC 1500V

DC Isolator Switch Box

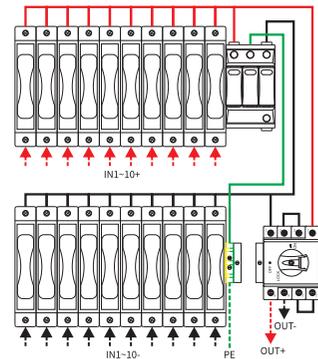
Model	LDDBT-PV8/1-IFS-1500	Quantity
Enclosure of Box	600×460×180mm	1
DC SPD	LD-SPD3P-40kA-1500V	1
DC Isolator	LD0191-4S	1
DC Fuse with Link	HDKDC1P32AL/FSKDC3AL	16
PG connector	PG9 (4-9mm)	16
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	9
	SY-CP4C (6mm ²)	9
Ground connector	PG9 (4-9mm)	1



10 String Input 1 String Output DC 1500V

DC Isolator Switch Box

Model	LDDBT-PV10/1-IFS-1500	Quantity
Enclosure of Box	600×460×180mm	1
DC SPD	LD-SPD3P-40kA-1500V	1
DC Isolator	LD0191-4S	1
DC Fuse with Link	HDKDC1P32AL/FSKDC8AL	20
PG connector	PG9 (4-9mm)	20
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	11
	SY-CP4C (6mm ²)	11
Ground connector	PG9 (4-9mm)	1



LDDBT-PV

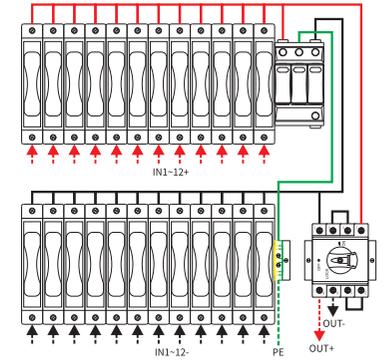
Solar DC Combiner Box



12 String Input 1 String Output DC 1500V

DC Isolator Switch Box

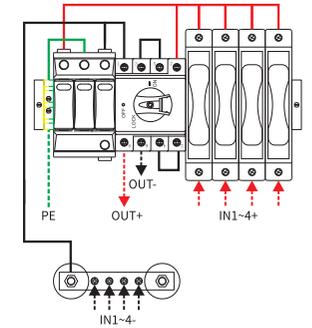
Model	LDDBT-PV12/1-IFS-1500	Quantity
Enclosure of Box	600×460×180mm	1
DC SPD	LD-SPD3P-40kA-1500V	1
DC Isolator	LD0191-4S	1
DC Fuse with Link	HDKDC1P32AL/FSKDC2AL	24
PG connector	PG9 (4-9mm)	24
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	13
	SY-CP4C (6mm ²)	13
Ground connector	PG9 (4-9mm)	1



4 String Input 1 String Output DC 1500V (Economy Type)

DC Isolator Switch Box

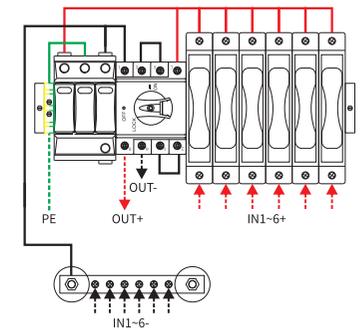
Model	LDDBT-PV4/1-IFS-1500	Quantity
Enclosure of Box	440×400×180mm	1
DC SPD	LD-SPD3P-40kA-1500V	1
DC Isolator	LD0191-4S	1
DC Fuse with Link	HDKDC1P32AL/FSKDC6AL	4
PG connector	PG9 (4-9mm)	8
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	5
	SY-CP4C (6mm ²)	5
Ground connector	PG9 (4-9mm)	1



6 String Input 1 String Output DC 1500V (Economy Type)

DC Isolator Switch Box

Model	LDDBT-PV6/1-IFS-1500	Quantity
Enclosure of Box	500×400×180mm	1
DC SPD	LD-SPD3P-40kA-1500V	1
DC Isolator	LD0191-4S	1
DC Fuse with Link	HDKDC1P32AL/FSKDC4AL	6
PG connector	PG9 (4-9mm)	12
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	7
	SY-CP4C (6mm ²)	7
Ground connector	PG9 (4-9mm)	1



LDDBT-PV

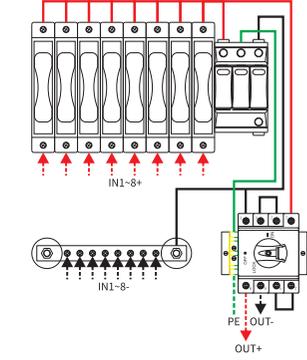
Solar DC Combiner Box



8 String Input 1 String Output DC 1500V (Economy Type)

DC Isolator Switch Box

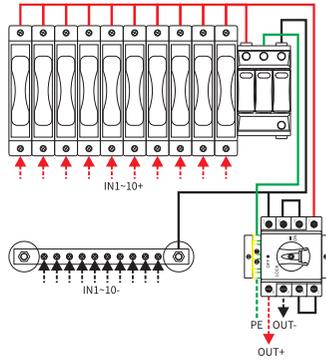
Model	LDDBT-PV8/1-IFS-1500	Quantity
Enclosure of Box	600×460×180mm	1
DC SPD	LD-SPD3P-40kA-1500V	1
DC Isolator	LD0191-4S	1
DC Fuse with Link	HDKDC1P32AL/FSKDC3AL	8
PG connector	PG9 (4-9mm)	16
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	9
	SY-CP4C (6mm ²)	9
Ground connector	PG9 (4-9mm)	1



10 String Input 1 String Output DC 1500V (Economy Type)

DC Isolator Switch Box

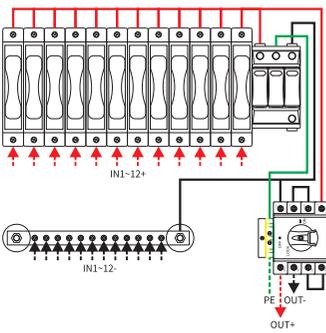
Model	LDDBT-PV10/1-IFS-1500	Quantity
Enclosure of Box	600×460×180mm	1
DC SPD	LD-SPD3P-40kA-1500V	1
DC Isolator	LD0191-4S	1
DC Fuse with Link	HDKDC1P32AL/FSKDC8AL	10
PG connector	PG9 (4-9mm)	20
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	11
	SY-CP4C (6mm ²)	11
Ground connector	PG9 (4-9mm)	1



12 String Input 1 String Output DC 1500V (Economy Type)

DC Isolator Switch Box

Model	LDDBT-PV12/1-IFS-1500	Quantity
Enclosure of Box	600×460×180mm	1
DC SPD	LD-SPD3P-40kA-1500V	1
DC Isolator	LD0191-4S	1
DC Fuse with Link	HDKDC1P32AL/FSKDC2AL	12
PG connector	PG9 (4-9mm)	24
	PG21 (13-18mm)	2
MC4 connector	SY-CP4C (6mm ²)	13
	SY-CP4C (6mm ²)	13
Ground connector	PG9 (4-9mm)	1



LDDBT-PV

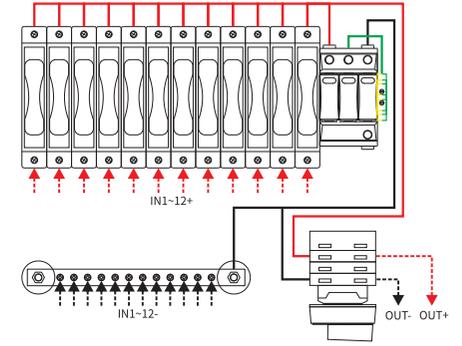
Solar DC Combiner Box



12 String Input 1 String Output DC 1500V (Economy Type)

DC Isolator Switch Box

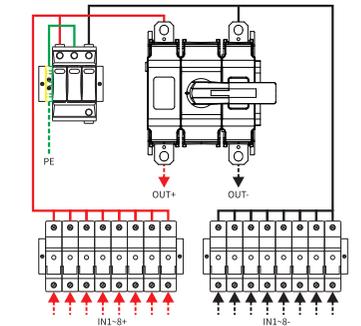
Model	LDDBT-PV12/1-IFSM-1500	Quantity
Enclosure of Box	400×350×160mm	1
DC SPD	LD-SPD3P-40kA-1500V	1
DC Isolator	EDS64S/50/ZY	1
DC Fuse with Link	HDKDC1P32AL/FSKDC2AL	12
MC4 connector	SY-CP4C (6mm ²)	13
	SY-CP4C (6mm ²)	13
Ground connector	PG9 (4-9mm)	1



8 String Input 1 String Output DC 1000V

DC Load Disconnecter Box

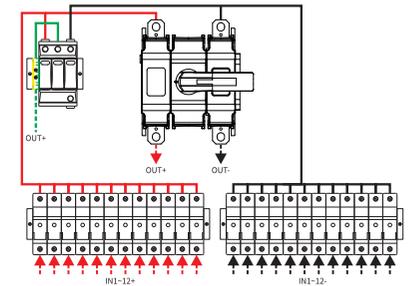
Model	LDDBT-PVZ8/1-IFS-1000	Quantity
Enclosure of Box	600×460×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	1
DC Disconnect Switch	LDHD-DB315R-11	1
DC Fuse with Link	PV0191-1P/BX0234-32A	16
PG connector	PG9 (4-9mm)	16
	PG36 (22-32mm)	2
Ground connector	PG9 (4-9mm)	1



12 String Input 1 String Output DC 1000V

DC Load Disconnecter Box

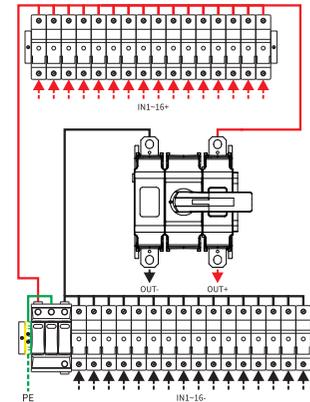
Model	LDDBT-PVZ12/1-IFS-1000	Quantity
Enclosure of Box	600×460×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	1
DC Disconnect Switch	LDHD-DB315R-11	1
DC Fuse with Link	PV0191-1P/BX0234-20A	24
PG connector	PG9 (4-9mm)	24
	PG36 (22-32mm)	2
Ground connector	PG9 (4-9mm)	1



16 String Input 1 String Output DC 1000V

DC Load Disconnecter Box

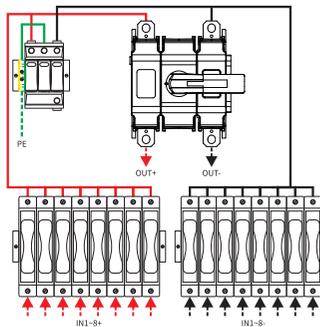
Model	LDDBT-PVZ16/1-IFS-1000	Quantity
Enclosure of Box	750×560×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	1
DC Disconnect Switch	LDHD-DB315R-11	1
DC Fuse with Link	HDKDC1P32AL/FSKDC15AL	32
PG connector	PG9 (4-9mm)	32
	PG36 (22-32mm)	2
Ground connector	PG9 (4-9mm)	1



8 String Input 1 String Output DC 1500V

DC Load Disconnecter Box

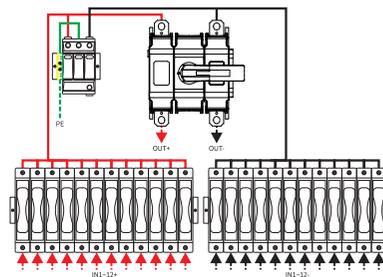
Model	LDDBT-PVZ8/1-IFS-1500	Quantity
Enclosure of Box	750×560×180mm	1
DC SPD	LD-SPD3P-40kA-1500V	1
DC Disconnect Switch	LDHD-DB315R-11	1
DC Fuse with Link	HDKDC1P32AL/FSKDC32AL	16
PG connector	PG9 (4-9mm)	16
	PG36 (22-32mm)	2
Ground connector	PG9 (4-9mm)	1



12 String Input 1 String Output DC 1500V

DC Load Disconnecter Box

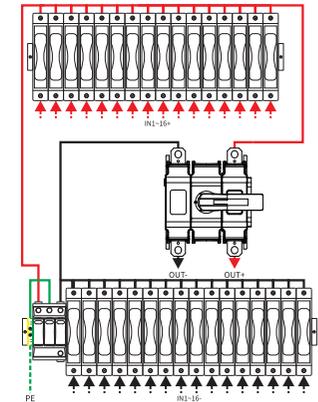
Model	LDDBT-PVZ12/1-IFS-1500	Quantity
Enclosure of Box	750×560×180mm	1
DC SPD	LD-SPD3P-40kA-1000V	1
DC Disconnect Switch	LDHD-DB315R-11	1
DC Fuse with Link	HDKDC1P32AL/FSKDC20AL	24
PG connector	PG9 (4-9mm)	24
	PG36 (22-32mm)	2
Ground connector	PG9 (4-9mm)	1



16 String Input 1 String Output DC 1500V

DC Load Disconnecter Box

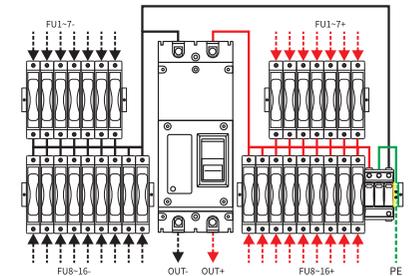
Model	LDDBT-PVZ16/1-IFS-1500	Quantity
Enclosure of Box	750×560×180mm	1
DC SPD	LD-SPD3P-40kA-1500V	1
DC Disconnect Switch	LDHD-DB315R-11	1
DC Fuse with Link	HDKDC1P32AL/FSKDC12AL	32
PG connector	PG9 (4-9mm)	32
	PG36 (22-32mm)	2
Ground connector	PG9 (4-9mm)	1



16 String Input 1 String Output DC 1500V

DC MCCB Breaker Box

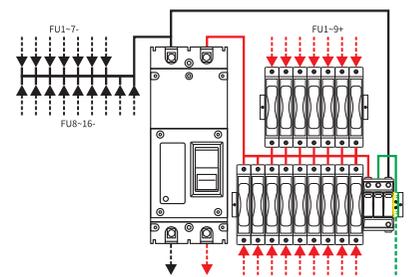
Model	LDDBT-PVZ16/1-FBS-1500	Quantity
Enclosure of Box	750×560×180mm	1
DC SPD	LD-SPD3P-40kA-1500V	1
DC MCCB	LDM7DC-400M/2 (2P, 400A, 1500VDC)	1
DC Fuse with Link	HDKDC1P32AL/FSKDC25AL	32
PG connector	PG9 (4-9mm)	32
	PG36 (22-32mm)	2
Ground connector	PG9 (4-9mm)	1



16 String Input 1 String Output DC 1500V (Economy Type)

DC MCCB Breaker Box

Model	LDDBT-PVZ16/1-FBS-1500	Quantity
Enclosure of Box	750×560×180mm	1
DC SPD	LD-SPD3P-40kA-1500V	1
DC MCCB	LDM7DC-400M/2 (2P, 400A, 1500VDC)	1
DC Fuse with Link	HDKDC1P32AL/FSKDC25AL	16
PG connector	PG9 (4-9mm)	32
	PG36 (22-32mm)	2
Ground connector	PG9 (4-9mm)	1



LDDBT-PV

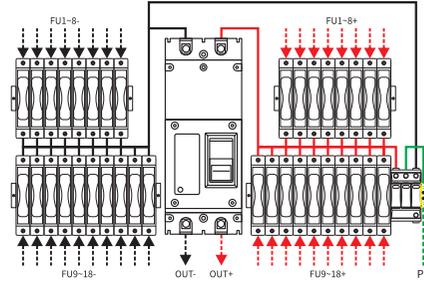
Solar DC Combiner Box



18 String Input 1 String Output DC 1500V

DC MCCB Breaker Box

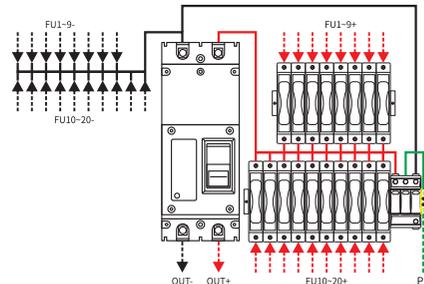
Model	LDDBT-PVZ18/1-FBS-1500	Quantity
Enclosure of Box	750×560×180mm	1
DC SPD	LD-SPD3P-40kA-1500V	1
DC MCCB	LDM7DC-400M/2 (2P, 400A, 1500VDC)	1
DC Fuse with Link	HDKDC1P32AL/FSKDC20AL	36
PG connector	PG9 (4-9mm)	36
	PG36 (22-32mm)	2
Ground connector	PG9 (4-9mm)	1



18 String Input 1 String Output DC 1500V (Economy Type)

DC MCCB Breaker Box

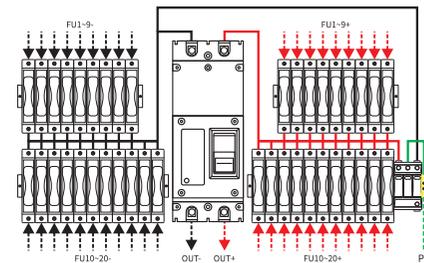
Model	LDDBT-PVZ18/1-FBS-1500	Quantity
Enclosure of Box	750×560×180mm	1
DC SPD	LD-SPD3P-40kA-1500V	1
DC MCCB	LDM7DC-400M/2 (2P, 400A, 1500VDC)	1
DC Fuse with Link	HDKDC1P32AL/FSKDC20AL	18
PG connector	PG9 (4-9mm)	36
	PG36 (22-32mm)	2
Ground connector	PG9 (4-9mm)	1



20 String Input 1 String Output DC 1500V

DC MCCB Breaker Box

Model	LDDBT-PVZ20/1-FBS-1500	Quantity
Enclosure of Box	800×560×180mm	1
DC SPD	LD-SPD3P-40kA-1500V	1
DC MCCB	LDM7DC-400M/2 (2P, 400A, 1500VDC)	1
DC Fuse with Link	HDKDC1P32AL/FSKDC20AL	40
PG connector	PG9 (4-9mm)	40
	PG36 (22-32mm)	2
Ground connector	PG9 (4-9mm)	1



LDDBT-PV

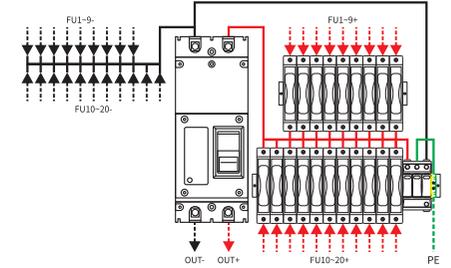
Solar DC Combiner Box



20 String Input 1 String Output DC 1500V (Economy Type)

DC MCCB Breaker Box

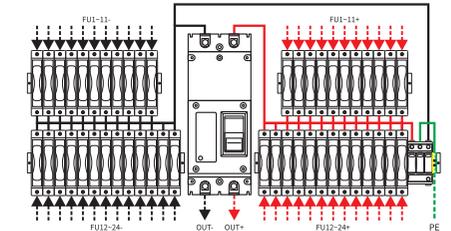
Model	LDDBT-PVZ20/1-FBS-1500	Quantity
Enclosure of Box	800×560×180mm	1
DC SPD	LD-SPD3P-40kA-1500V	1
DC MCCB	LDM7DC-400M/2 (2P, 400A, 1500VDC)	1
DC Fuse with Link	HDKDC1P32AL/FSKDC25AL	20
PG connector	PG9 (4-9mm)	40
	PG36 (22-32mm)	2
Ground connector	PG9 (4-9mm)	1



24 String Input 1 String Output DC 1500V

DC MCCB Breaker Box

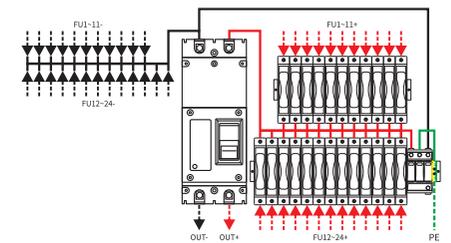
Model	LDDBT-PVZ20/1-FBS-1500	Quantity
Enclosure of Box	860×560×180mm	1
DC SPD	LD-SPD3P-40kA-1500V	1
DC MCCB	LDM7DC-400M/2 (2P, 400A, 1500VDC)	1
DC Fuse with Link	HDKDC1P32AL/FSKDC20AL	48
PG connector	PG9 (4-9mm)	48
	PG36 (22-32mm)	2
Ground connector	PG9 (4-9mm)	1



24 String Input 1 String Output DC 1500V (Economy Type)

DC MCCB Breaker Box

Model	LDDBT-PVZ20/1-FBS-1500	Quantity
Enclosure of Box	860×560×180mm	1
DC SPD	LD-SPD3P-40kA-1500V	1
DC MCCB	LDM7DC-400M/2 (2P, 400A, 1500VDC)	1
DC Fuse with Link	HDKDC1P32AL/FSKDC20AL	24
PG connector	PG9 (4-9mm)	48
	PG36 (22-32mm)	2
Ground connector	PG9 (4-9mm)	1



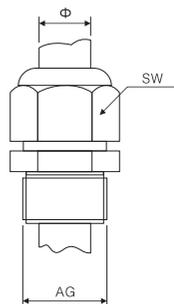


Technical Parameters

Material	UL approved nylon PA66, nitrile rubber
Thread Specifications	Metric, PG, G, NPT
Operating temperature	Static -40°C ~ 100°C, instantaneous heat to 120°C, dynamic -20°C ~ 80°C, instantaneous heat to 100°C
Features	Special clamping claws and rubber parts design, clamping range, especially tensile strength, waterproof, dustproof, salt, acid, alcohol, grease and common solvents
Color Category	Black, gray, special colors (white, red, blue, dark gray) can be customized
Protection class	IP68

Specifications Model

Model	Thread size (mm)	Hole size AG(mm)	Thread length (mm)	Wall thickness (mm)	Applicable cable Φ(mm)	Wrench size SW(mm)
PG7	12.5	Φ12.6-13	9	3	3.5-7	18/16
PG9	15.2	Φ15.3-15.5	9	3	4-9	22/19
PG11	18.6	Φ18.7-19	9	3	5-11	24/22
PG13.5	20.4	Φ20.5-21	9	4	6-12	27/24
PG16	22.5	Φ22.6-23	10	5	10-14	30/27
PG19	24	Φ24.2-24.5	10	5	12-15	30/28
PG21	28.3	Φ28.5-29	12	5	13-18	36/33
PG25	30	Φ30.2-30.5	12	6	16-21	37/35
PG29	37	Φ37.2-37.5	12	6	18-25	45/42
PG36	47	Φ47.3-48	17	7	22-32	58/52
PG42	54	Φ54.5-55	19	7	32-39	65/60
PG48	59.3	Φ60-61	19	7	37-44	70/69
PG63	71	Φ71.5-72	27	19	42-51	83/75



Technical Parameters

Material	UL approved nylon PA66, nitrile rubber
Thread Specifications	Metric, PG, G, NPT
Operating temperature	Static -40°C ~ 100°C, instantaneous heat to 120°C, dynamic -20°C ~ 80°C, instantaneous heat to 100°C
Features	Special clamping claws and rubber parts design, clamping range, especially tensile strength, waterproof, dustproof, salt, acid, alcohol, grease and common solvents
Color Category	Black, gray, special colors (white, red, blue, dark gray) can be customized
Protection class	IP68

Specifications Model

Model	Thread size (mm)	Hole size AG(mm)	Thread length (mm)	Wall thickness (mm)	Applicable cable Φ(mm)	Wrench size SW(mm)
M12	M12×1.5	Φ12.2-12.5	9	3	3-7	18/16
M16	M16×1.5	Φ16.2-16.5	9	3	4-8	22/19
M18	M18×1.5	Φ18.2-18.5	9	3	5-10	24/22
M20	M20×1.5	Φ20.2-20.5	9	5	6-12	27/24
M22	M22×1.5	Φ22.2-22.5	10	5	10-14	30/27
M24	M24×1.5	Φ24.2-24.5	10	5	12-15	33/28
M25	M25×1.5	Φ25.2-25.5	10	5	13-15	33/28
M25	M25×1.5	Φ25.2-25.5	12	5	13-18	33/30
M27	M27×1.5	Φ27.2-27.5	12	5	13-18	35/33
M30	M30×1.5	Φ30.2-30.5	12	6	16-21	37/37
M32	M32×1.5	Φ32.2-32.5	12	6	16-21	39/35
M36	M36×1.5	Φ36.2-37	12	6	18-25	45/42
M40	M40×1.5	Φ40.2-41	17	7	20-26	52/52
M50	M50×1.5	Φ50.5-51	19	10	32-39	60/60
M63	M63×1.5	Φ63.5-64	19	10	37-44	74/69
M72	M72×1.5	Φ72.5-73	27	15	42-52	83/77

