XUAIVQI

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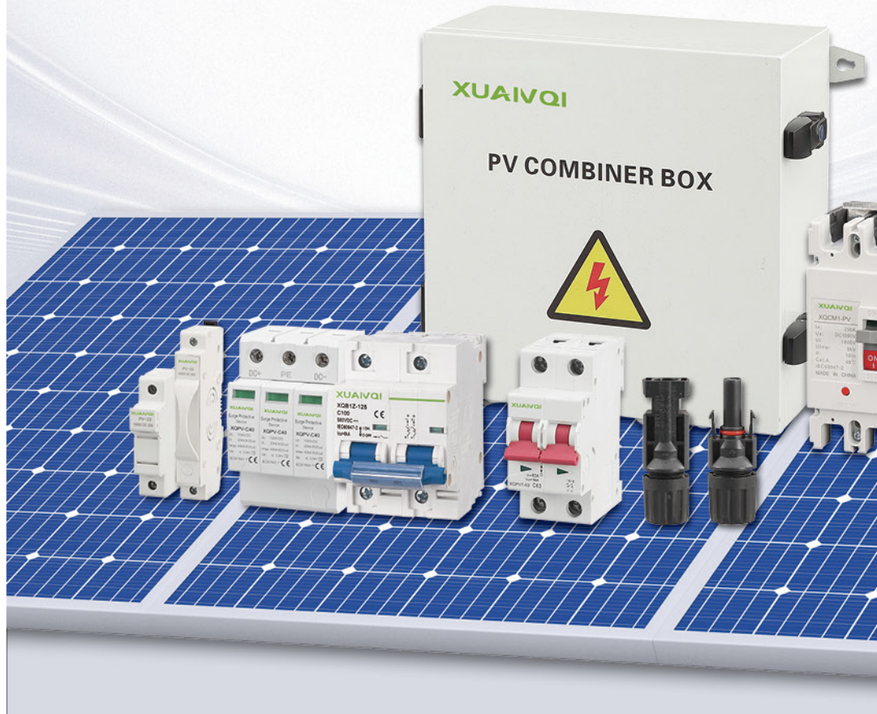
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Electrical

DC SPD / DC MCB / DC Fuse Holder
Solar Connector / DC Isolator Switch
PV Combiner Box



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BRIEF
INTRODUCTION

Yueqing Xuanqi Electrical Co., Ltd is a professional manufacturer of Circuit Breaker.Socket.Plug.Waterproof Box.Surge Protective Device.DC Fuse&Solar Connector etc.We are the leading manufacturer in electrical industry. Many products have got related international certificates, and have passed the tests held by National Test Institutes. Yueqing Xuanqi Electrical Co., Ltd. has spread the business to more than 200 countries and regions around the world.

The quality is our culture, OEM&ODM is supply for famous and strong company from the worldwide.You're welcome to cooperate with us!





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DC Surge Protective Device

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▶ Application

Surge protective device, protect against lightning surge voltages in solar system (photovoltaic power supply system). These units must be installed in parallel on the dc networks to be protected and provide common and different modes protection. Its installed location are recommended at both ends of the dc power supply line (solar panel side and inverter/converter side), especially if the line routing is external and long. High energy MOVs equipped with specific thermal disconnectors and related failure indicators.



▶ Specifications

XQPV-C40 Surge protector	XQPV-C40				
PVDC - specific	EN50539-11				
Pole	2P	2P	3P	3P	2P(COSTOMIZED)
Electrical parameter					
Classified test	II	II	II	II	II
Uoc max (VDC)	600	800	1000	1500	12/24
Uc (VDC)	600	800	1000	1500	12/24
In (8 /20)us (kA)	20	20	20	20	20
Ima x (8 /20)us (kA)	40	40	40	40	40
Up (kV)	2.0	2.5	3.8	5.3	2.0

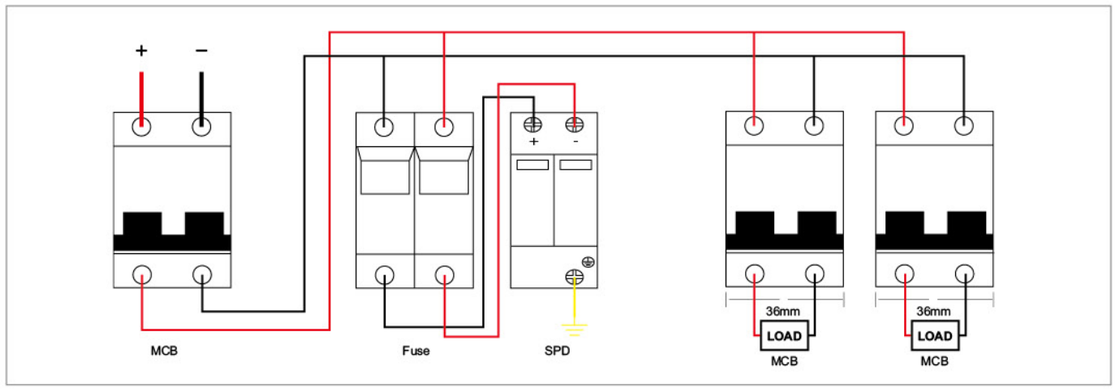
▶ Remote Signal Contact

Remote signal contact	Maximum working voltage (V)	250VAC/30VDC	250VAC /30VDC
	Maximum working current (A) IA (250 V /AC)	IA (250V/AC)	IA (250V /AC)
	I A (30 V DC)	IA (30V/AC)	IA (30V /AC)

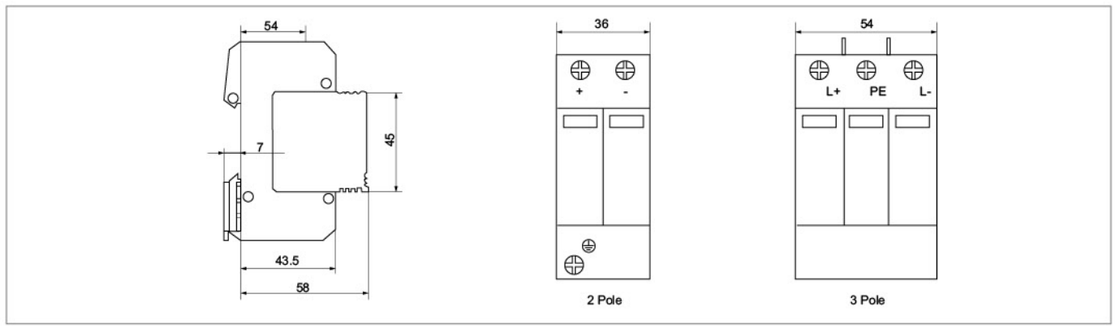
▶ Installation and Dimensions

Wiring capacity(mm2)	Hard wire	4~25	4~25
	Flexible wire	4~16	4~16
Stripping length(mm)		10	10
Terminals crcwa		M5	M5
Torque (Nm)	Main circuit	3.5	3.5
	Remote signal contact	0.25	0.25
Protection class	All profile	IP40	IP40
	Connection port	IP20	IP20
Installation environment		No obvious shock and vibration	
Altitude (m)		≤2000	≤2000
Working Temperature		-30℃ ~ +70℃	-30℃ ~ +70℃
Relative humidity		30%~90 %	30%~90 %
How to install		Installed with H 35-7.5/DIN35 steel mounting rail	
Size (mm) (W x H x L)	W	36	54
	H	90	90
	L	67.6	67.6
Weight (kg)		0.24	0.36

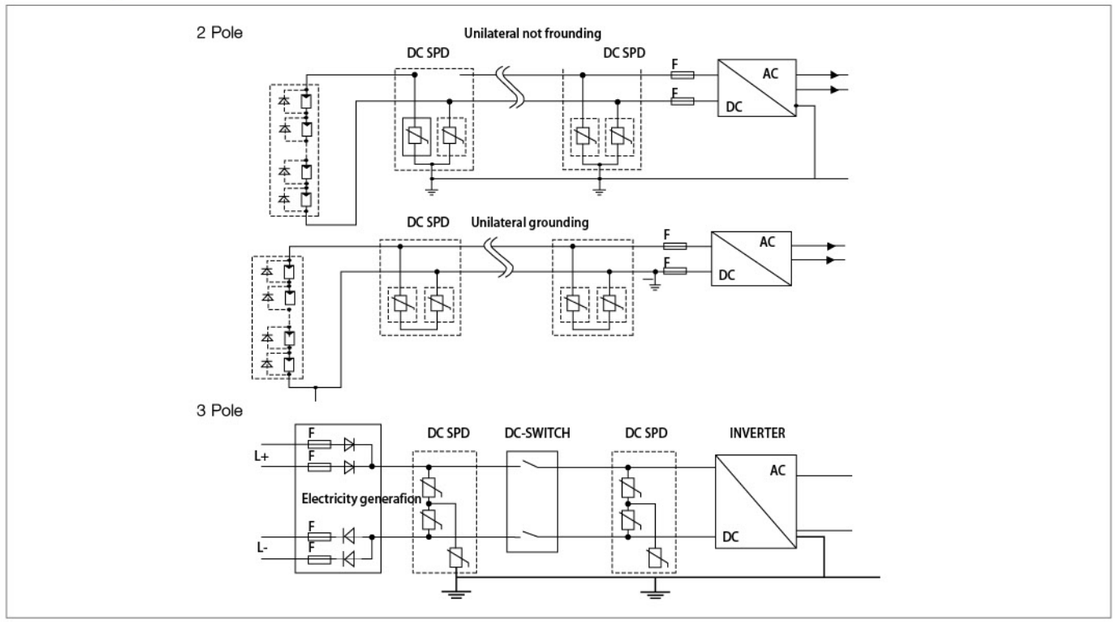
▶ Wiring Diagram



▶ Dimensions



▶ Drawing



▶ Application

XQPV7-63 DC MCB supplementary protectors are designed to provide overcurrent protection within appliances or electrical equipment, where a branch circuit protection is already provided or not required. Devices are designed for direct current (DC) control circuit applications.



▶ Specifications

XQPV7-63 Series Circuit Breaker		XQPV7-63				
Frame Degree Rated Current (A)		63				
Pole		1P	2P	3P	4P	2P(CUSTOMIZED)
Rated Operating Voltage (V DC)		250	550	750	1000	800
Rated Insulation Voltage Ui (V DC)		1200V				
Rated Current In (A)		3,6,10,16,20,25,32,40,50,63A				
Rated Impact Voltage Uimp (kV)		4				
Ultimate Breaking Capacity Icu (kA)		6				
Run Breaking Capacity Ics (%Icu)		75%				
Curve Type		C				
Trip Type		Thermal-magnetic				
Mechanical	Actual average value	9700				
	Standard value	9700				
Electric	Actual average value	300				
	Standard value	300(accord to TUV standard)				

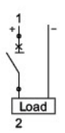
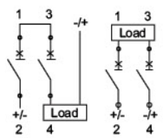
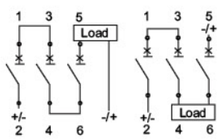
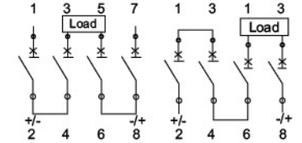
▶ Control and Indication

Shunt release (SHT)	Option
Undervoltage release (UNT)	
Auxiliary contact (AX)	
Alarm contact (AL)	

▶ Condition and Installation

Wiring capacity (mm²)		In≤ 32A, 1-6, I≥40A, 10~16			
Ambient temperature (℃)		-35~+70			
Altitude		≤2000			
Relative humidity		≤9 5%			
Pollution Level		3			
Installation Environment		No obvious shock and vibration			
Installation category		Class III			
Installation		DIN Standard rail			
Dimensions(W)x(H)x(Deep)	W	18	36	54	72
	H	80	80	80	80
	Deep	71	71	71	71
Weight (kg)		0.12	0.24	0.36	0.48

▶ Connection

Pole	1P	2P	3P	4P
Connection				

▶ Over current tripping characteristic

Test	Test Current	Initial State	Limited Time	Expected Result	Remarks
a	1.05In	Cold state	t 1h	Non-tripping	
b	1.3In	Right after test number a	t<1h	Tripping	The current is rising within 5s
c	7In	Cold state	t≤s	Non-tripping	
d	10In	Cold state	t 0.1s	Tripping	

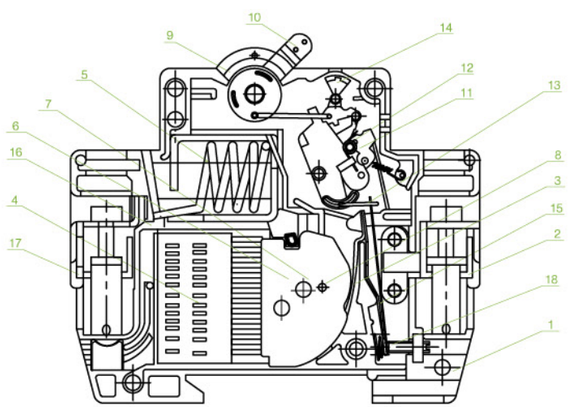
▶ Current correction values used at different ambient temperatures

Temperature / Fixed current(A) / Rated Current (A)	-35	-30	-20	-10	0	10	20	30	40	50	60	70
3A	3.9	3.78	3.69	3.57	3.42	3.3	3.12	3	2.88	2.79	2.64	2.49
6A	7.8	7.56	7.38	7.14	6.84	6.6	6.24	6	5.76	5.64	5.28	4.98
10A	13.2	12.7	12.5	12	11.5	11.1	10.6	10	9.6	9.3	8.9	8.4
16A	21.12	20.48	20	19.2	18.4	17.76	16.96	16	15.36	14.88	14.24	13.44
20A	26.4	26.4	25	24	23	22.2	21.2	20	19.2	18.6	17.8	16.8
25A	33	32	31.25	30	28.75	27.75	26.5	25	24	23.25	22.25	21
32A	42.56	41.28	40	38.72	37.12	35.52	33.93	32	30.72	29.76	28.16	26.88
40A	53.2	51.2	50	48	46.4	44.8	42.4	40	38.4	37.2	35.6	33.6
50A	67	65.5	63	60.5	58	56	53	50	48	46.5	44	41.5
63A	83.79	81.9	80.01	76.86	73.71	70.56	66.78	63	60.48	58.9	55.44	52.29

▶ Current correction factor used at different altitudes

Rated Current (A)	Different altitude correction factors		
	≤2000m	2000~3000m	≥3000m
3,6,10,16,20,25,32,40,50,63A	1.0	0.9	0.8

▶ Details

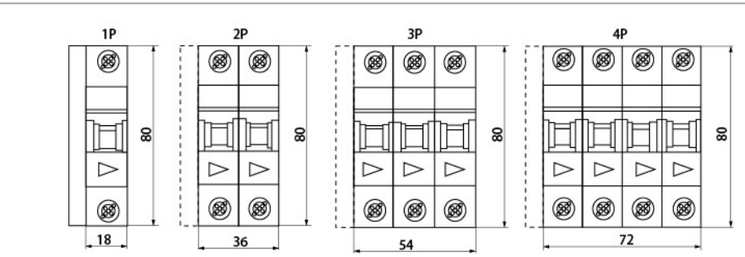


1. Shell
2. Wiring board
3. Static contact
4. Arc chamber
5. Copper coil
6. Insulation plate
7. Moving contact
8. Fixed contact
9. Spring
10. Handle
11. Lock catch knuckle
12. Tripping chain
13. Jump pin
14. Indicator
15. Bimetal
16. Soft linking
17. Wiring board
18. Adjusting screw

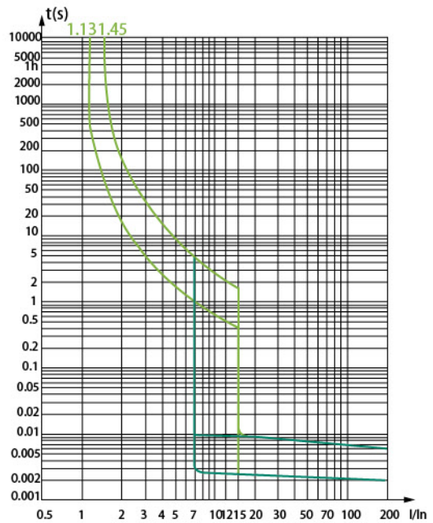
▶ Wire connection terminals

Rated current In(A)	Copper wire nominal cross sectional area(mm)
3,6	1
10	1.5
16,20	2.5
25	4
32	6
40,50	10
63	16

▶ Dimension



▶ Characteristic Curve



▶ Application

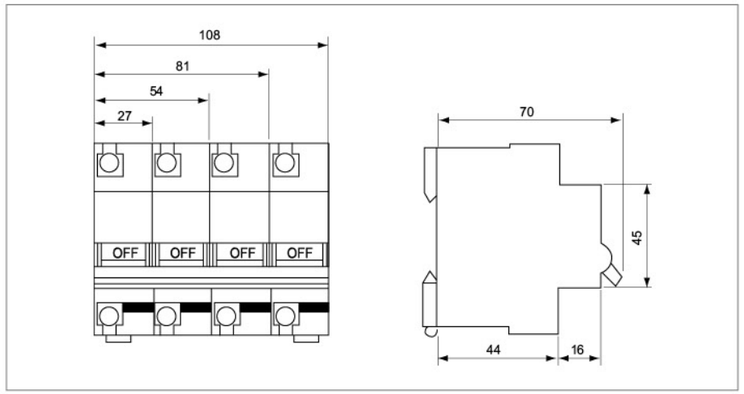
XQB1Z-125 high breaking capacity circuit breaker is specially for solar PV system. The current is form 63A to 125A and voltage up to 1000VDC. Standard according to IEC/EN60947-2.



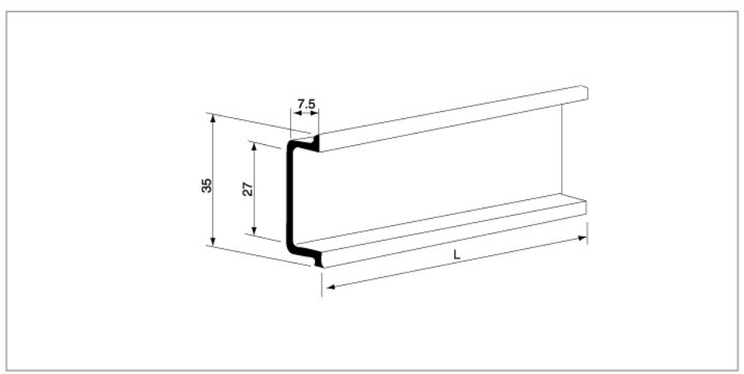
▶ Specifications

Rated Current	63,80,100,125A			
Rated Voltage	250VDC	550V/800VDC	750VDC	1000VDC
No. of Pole	1P	2P	3P	4P
Mechanical Life	20000 times(C.O.)			
Electrical Life	20000 times(C.O.)		125A: 1000 Times	
Icu:	10KA			
Ics:	63,80,100A:10KA		125A: 7.5KA	
Weight(G)	150	300	460	620

▶ Dimensions



▶ Installation



▶ Over current tripping characteristic

Item	Rated Current (A)	Initial State	Test Current	Limited Time	Prospective Result	Starting State
a	In=63	Cold state	1.05In	t≤1h	Non-tripping	
	In>63	Cold state	1.05In	t≤2h	Non-tripping	
b	In=63	Hot state	1.3In	t<1h	Tripping	The current rise steadily to a fixed value within 5s
	In>63	Hot state	1.3In	t<2h	Tripping	
c	In≥63	Cold state	8In	t≤0.2s	Non-tripping	
			12In	t<0.2s	Tripping	

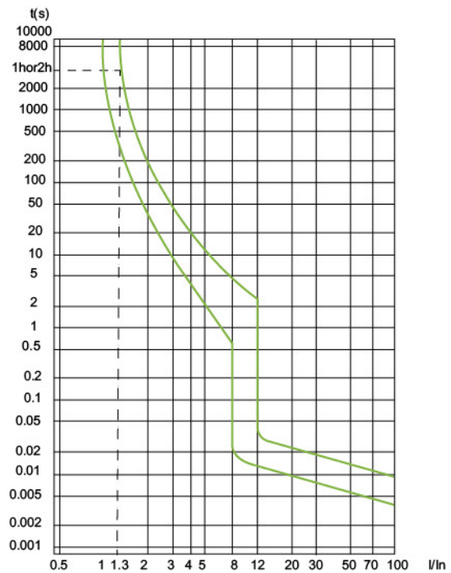
▶ Current correction values used at different ambient temperatures

Temperature / Fixed current(A) / Rated Current (A)	-35	-30	-20	-10	0	10	20	30	40	50	60	70
63A	90.40	88.52	84.75	80.33	76.55	72.45	67.73	63	57.65	51.98	46.31	40.95
80A	114.8	112	106.8	101.6	96.4	90.8	85.6	80	74	67.6	60.4	53.2
100A	143.5	140.5	134.5	127.5	121	113.5	107.5	100	92.5	84.5	75.5	66.5
125A	178.75	173.75	164.38	156.25	148.75	140.63	135	125	116.25	107.5	97.5	85

▶ Current correction factor used at different altitudes

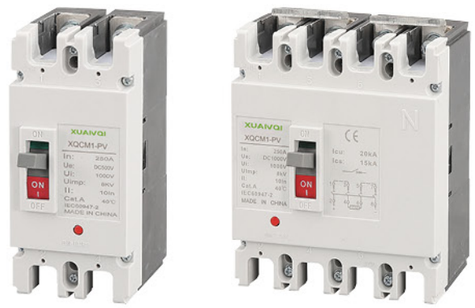
Rated Current (A)	Different altitude correction factors		
	≤2000m	2000~3000m	≥3000m
3,6,10,16,20,25,32,40,50,63A	1.0	0.9	0.8

▶ Characteristic Curve



▶ Application

XQCM1-PV series Moulded Case Circuit Breaker is designed to distribute power and protect the circuit and power equipment against overload in solar system. It is apply to rating current 1250A or less, direct current rating voltage 1500V or less. Products according IEC60947-2, GB14048.2 standard.



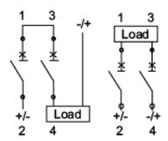
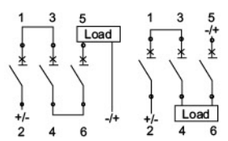
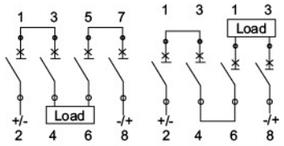
▶ Specifications

Model		XQCM1-PV-125			XQCM1-PV-250			XQCM1-PV-400			XQCM1-PV-630			XQCM1-PV-800			XQCM1-PV-1250		
Rated Continuous Current		125			250			400			630			800			1250		
Rated Current In (A)		16、20、25、32、40、50、63、80、100、125			100、125、140、160、180、200、225、250			250、315、350、400			400、500、630			630、700、800			800、1000、1250		
Rated Operating Voltage Ue (V) DC		550V 750V 1000V 1500V			550V 750V 1000V 1500V			750V 1000V 1500V			750V 1000V 1500V			750V 1000V 1500V			750V 1000V 1500V		
Rated Insulation Voltage Ui (V)		1500V			1500V			1500V			1500V			1500V			1500V		
Uimp (kV)		8kV			8kV			8kV			8kV			8kV			8kV		
Test Voltage One Minute (V)		3550			3550			3550			3550			3550			3550		
Breaking Capacity (kA) Icu (1cs= 75% Icu)		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
	250V	25	35	50	35	50	65	35	50	65	35	50	65	50	65	80	50	65	80
	500V	25	25	50	35	35	65	35	35	65	35	35	65	50	50	80	50	50	80
	750V	25	15	50	35	25	65	35	25	65	35	25	65	50	35	80	50	35	80
	1000V	25	10	50	35	15	65	35	15	65	35	15	65	50	20	80	50	20	80
Mechanical Life	Times	7000			7000			4000			4000			2500			2000		
Electrical Life	Times	2000			2000			1000			1000			800			600		
Breaking Times (ms)		20			20			20			20			20			20		
Installation Location		Any place																	
Isolator Capacity		Yes																	
Standard		IEC 60947-2、IEC60947-1、GB 14048.1、GB 14048.2																	
Temperature (℃)		-25℃ ~+50℃																	
Protection Degree		IP20																	
Accessory		OF/SD/MX																	
Arcing Distance (mm)		≥50																	

▶ Application conditions

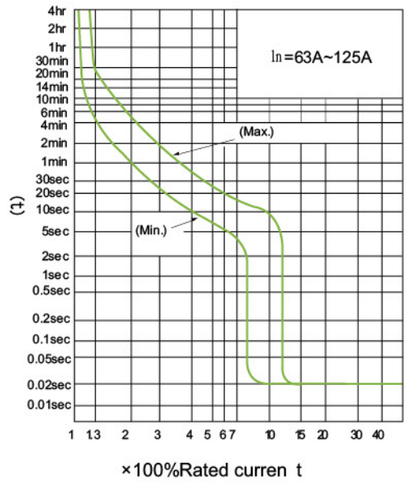
- Altitude : less than 2000m (please specify when it's higher than 2000m).
- Ambient temperature : -40℃ ~+70℃
- Dampproof Moisture-resistant

▶ Connection

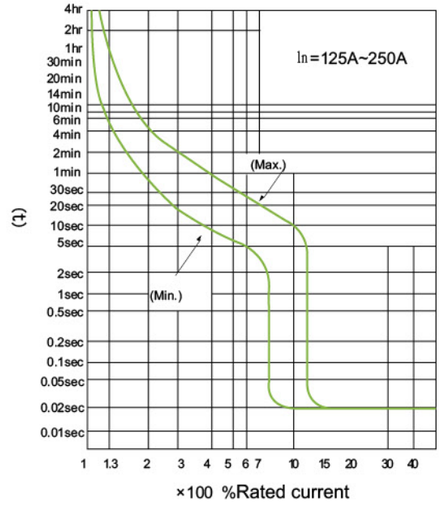
Pole	2P	3P	4P
Connection			

▶ Characteristic Curve

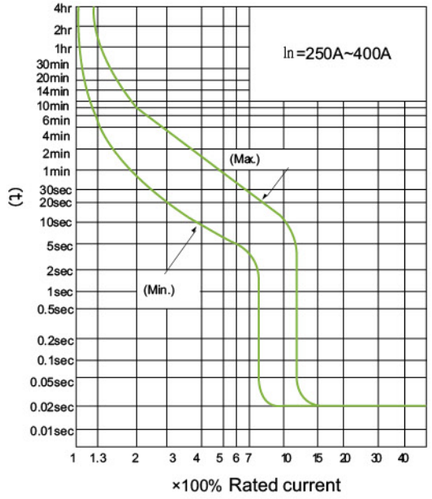
XQCM1-PV-125



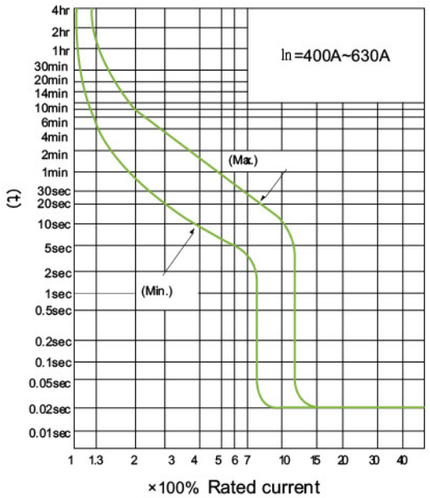
XQCM1-PV-250



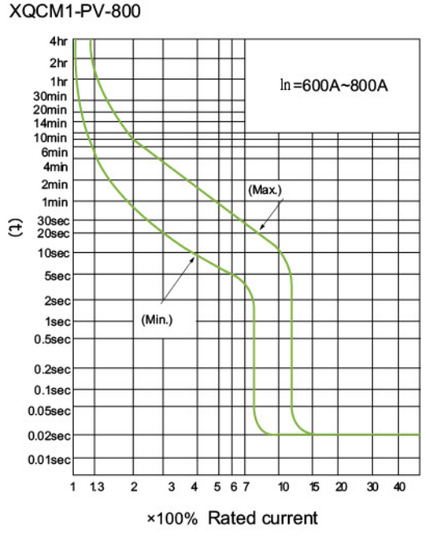
XQCM1-PV-400

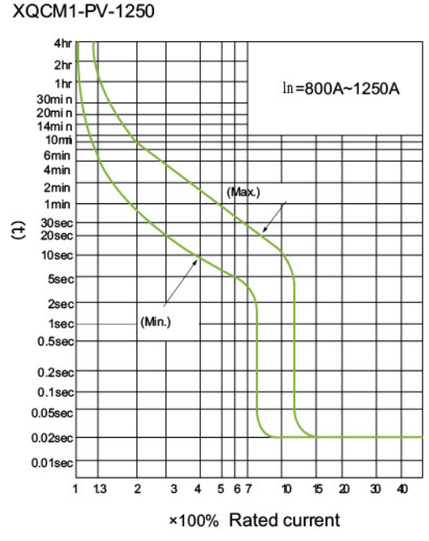


XQCM1-PV-630

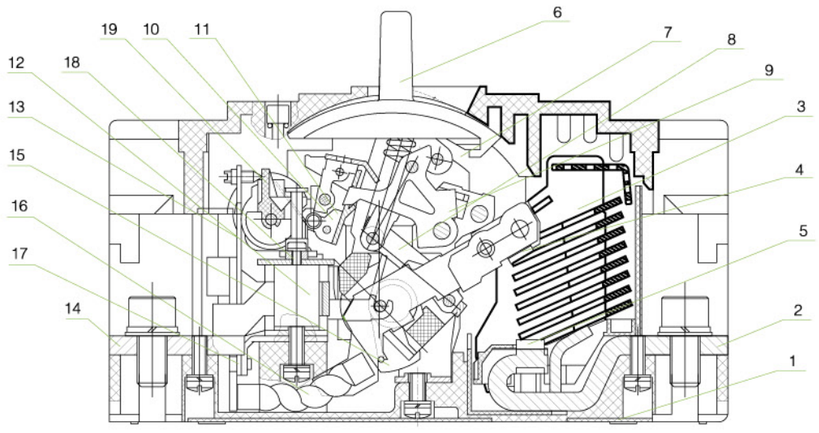


▶ Characteristic Curve





▶ Details



1.Shell	6.Handle	11.Chain part	16.Soft linking
2.Up wiring board	7.Lever	12.Release	17.Thermoelement
3.Arc chamber	8.Connecting lever	13.Bimetal	18.Upper putt
4.Moving contact	9.Jump pin	14.Down wiring board	19.Short time delay institutions
5.Fixed contact	10.Chain part	15.Spindles	

▶ Application

A range of 14x51mm fuse links specifically designed for protecting photovoltaic strings. These fuse
links are capable of interrupting low overcurrents associated with faulted photovoltaic string arrays (reverse current, multi-array fault).



▶ Structural Characteristics

- According to IEC60269-6
- Rated current: 1-63A
- Rated voltage: DC 1000V
- Operating class gPV for Solar protection

▶ Specifications

Pole	1P
Rated Voltage Ue (V DC)	1000
Rated Current In (A)	4,6,8,10,12,16,20,25,32,40,50,63

▶ Connection and Installation

Connection(mm2)	2 .5 -1 0
Working Temperature(℃)	-30~+70
Resistance And Damp Hot	Class 2
Altitude(m)	≤ 2000
Relative Humidity	≤ 95%
Protection Class/Degree	IP20
Pollution	3
Installation Environment	No obvious shock and vibration
Installation Class/Type	Class III/DIN rail

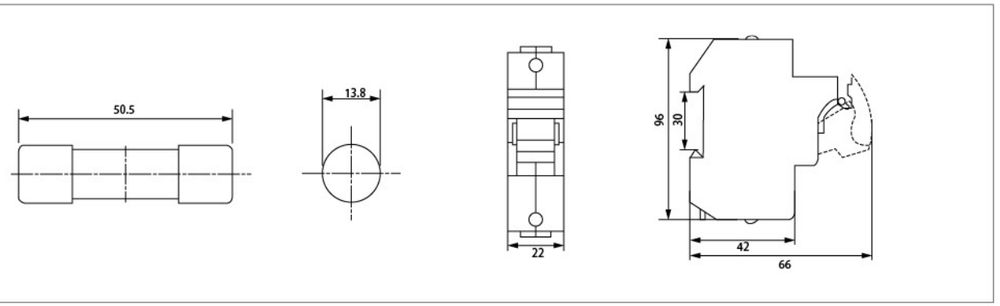
▶ Size(mm)

Size/Dimension(mm)		
(WxHxL)	W	22
	H	66
	L	96
Fuse Size		14x51
Fuse holder Weight (kg)		0.11
Fuse link weight(kg)		0.025

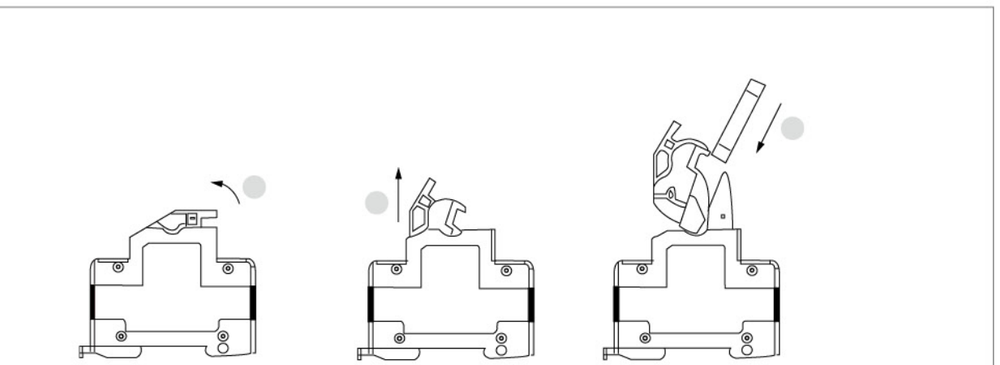
▶ PV fuse Description

- Photovoltaic system fuse accord with UL248-1 standard.
- Photovoltaic battery dc fuse designed to used for photovoltaic (PV) system.
- Main effect is to protect the solar panels. Solar panels points in effective condition is broken.
- Fault light cells break points at the same time, does not affect other normal work of light from the stack.
- Technical Data Rated coltage: DC1000V Breaking capacity: 25KA Function level: PV.

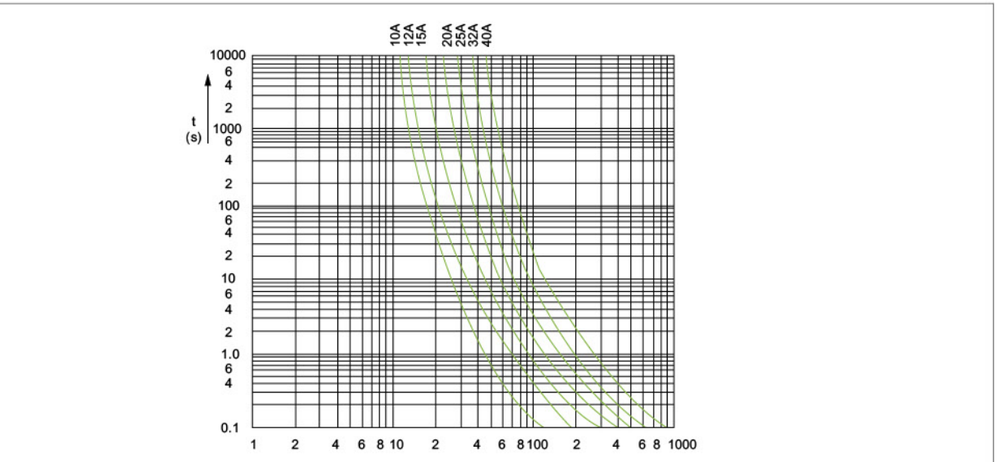
▶ Dimensions



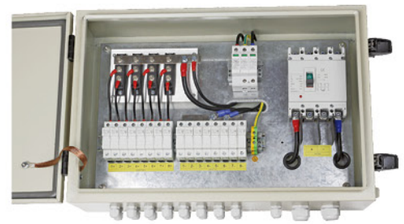
▶ Installation



▶ Characteristic Curve









▶ Specifications

Item	Parameter											
Model	XQ-CB 2	XQ-CB 4	XQ-CB 6	XQ-CB 8	XQ-CB 10	XQ-CB 12	XQ-CB 14	XQ-CB 16	XQ-CB 18	XQ-CB 20	XQ-CB 22	XQ-CB 24
Number of DC Inputs	2	4	6	8	10	12	14	16	18	20	22	24
Material of Box	Coated Iron											
Protection Level	IP65/IP66											
IK Impact Resisstance Class	IK08											
Max Rated Voltage DC	1000V											
DC Fuse	15A (Recommend 15A, support other ampre)											
Fuse Holder	1000V DC 30A											
DC Breaker	32A	63A	100A	125A	150A	200A	225A	250A	275A	300A	315A	350A
Surge Protection DC	Type II In=20KA, Imax=40KA, Ucpv=1000V DC											
Over-Voltage Category	Cat III											
Diode for The Function of Anti-Reflux	Bulid in											
Connection Type DC Input	PG09, IP68											
Input Cable Size for Negative and Positive	Φ4-8mm											
Number of DC Outputs	1 (Support customize for output number)											
Connection Type DC Output												
Gland Connectors	Material: Nylon Plastic, Seals: Nitrile Rubber Buna, IP68											
Ambiant Temperature Range/ Humidity	Temperature: -20℃ ~+60℃ , Humidity: 0-99%											
Altitude	⩽ 2000m. Derating for above 2000m.											
Installation	Wall mounting/Padlockable latch											

DC Isolator Switch

www.xuanqile.com



▶ Specifications

Item	Parameter
Model	XQPV32-NL1
Function	Isolating, Controlling
Standard	IEC60947-3, AS60947. 3
Pole Number	4P
Max Rated Current	32A
Rated Working Voltage (Ue)	1200VDC
Rated Current (In)	16A, 25A, 32A
Rated Insulated Voltage (Ui)	1200VDC
Rated Short-Time Withstand Current (Icw)	1kA,1S
Rated Implused Voltage (Uimp)	8kV
Overvoltage Category	II
Polarity	Non polarity, “+”and “-”polarities could be interchanged
Mechanical	18000 times
Electrical	2000 times
Ingress Protection	IP20
Storge Temperature	-40℃ ~ +85℃
Mounting Type	ertically or horizontally
Pollution Degree	3

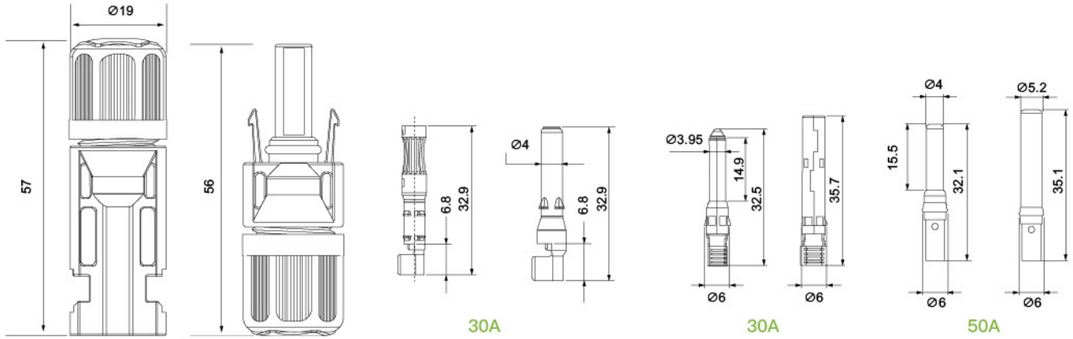
Solar DC Connector

XUAIVQI

▶ Specifications

Connector system	Φ4mm
Rated voltage	1000V DC(IEC)[1]
Rated current	17A(1.5mm²) 22A(2.5mm²;14AWG) 30A(4mm²;6mm²;12AWG,10AWG)
Test voltage	6kV(50HZ,1min.)
Ambient temperature range	-40℃ ...+90℃ (IEC) -40℃ ...+75℃ (UL)
Upper limiting temper ature	+105℃ (IEC)
Degree of protection,mated	IP67
unmated	IP2X
Comtact resistanceof plug connectors	0.5mΩ
Safetyclass	II
Contact material	Messing,verzinnt Copper Alloy,tin plated
Insulation material	PC/PPO
Locking system	Snap-in
Flame class	UL-94-VO
Salt mist spray test,degree of severity 5	IEC 60068-2-52

▶ Dimensions



Solar DC Connector

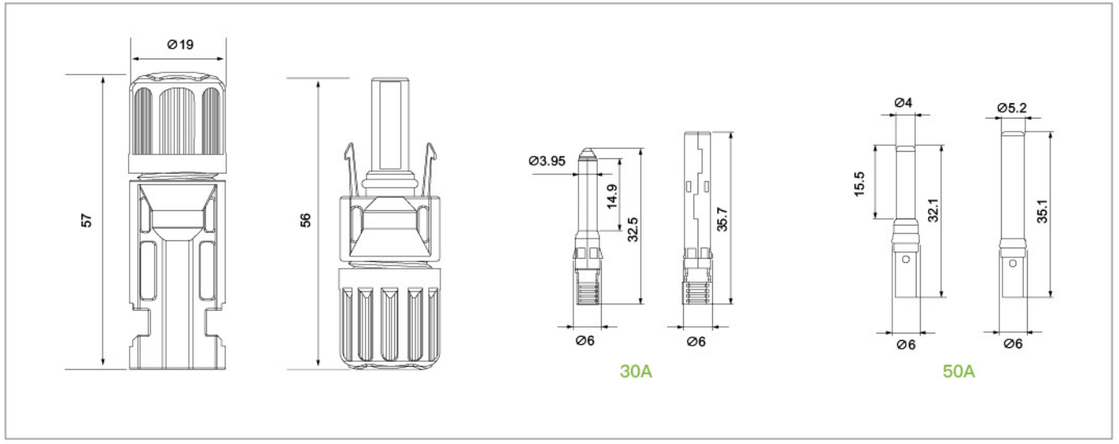
- PV–XQ04(1000V)
- PV–XQ04–1(1000V)



▶ Specifications

Connector system	Φ4mm
Rated voltage	1000V DC(IEC)[1]
Rated current	17A(1.5mm²) 22A(2.5mm²;14AWG) 30A(4mm²;6mm²;12AWG,10AWG)
Test voltage	6kV(50HZ,1min.)
Ambient temperature range	-40℃ ...+90℃ (IEC) -40℃ ...+75℃ (UL)
Upper limiting temper ature	+105℃ (IEC)
Degree of protection,mated	IP67
unmated	IP2X
Comtact resistanceof plug connectors	0.5mΩ
Safetyclass	Ⅱ
Contact material	Messing,verzinnt Copper Alloy,tin plated
Insulation material	PC/PPO
Locking system	Snap-in
Flame class	UL-94-VO
Salt mist spray test,degree of severity 5	IEC 60068-2-52

▶ Dimensions



Solar DC Connector

·PV-XQ(1000V)
·PV-XQ-1(1000V)



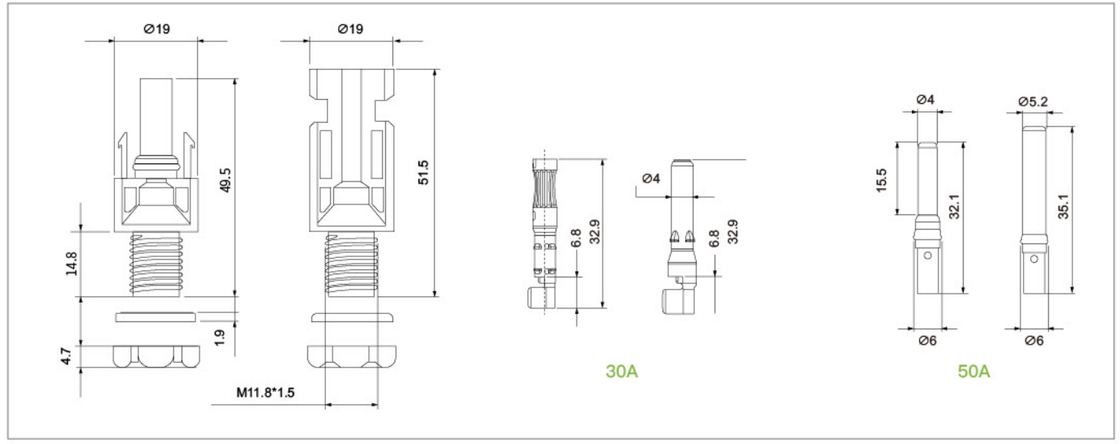
Solar DC Connector

XUANQI

▶ Specifications

Connector system	Φ4mm
Rated voltage	1000V DC(IEC)[1]
Rated current	17A(1.5mm²) 22A(2.5mm²;14AWG) 30A(4mm²;6mm²;12AWG,10AWG)
Test voltage	6kV(50HZ,1min.)
Ambient temperature range	-40℃ ...+90℃ (IEC) -40℃ ...+75℃ (UL)
Upper limiting temper ature	+105℃ (IEC)
Degree of protection,mated	IP67
unmated	IP2X
Comtact resistanceof plug connectors	0.5mΩ
Safetyclass	Ⅱ
Contact material	Messing,verzinnt Copper Alloy,tin plated
Insulation material	PC/PPO
Locking system	Snap-in
Flame class	UL-94-VO
Salt mist spray test,degree of severity 5	IEC 60068-2-52

▶ Dimensions



Solar DC Connector

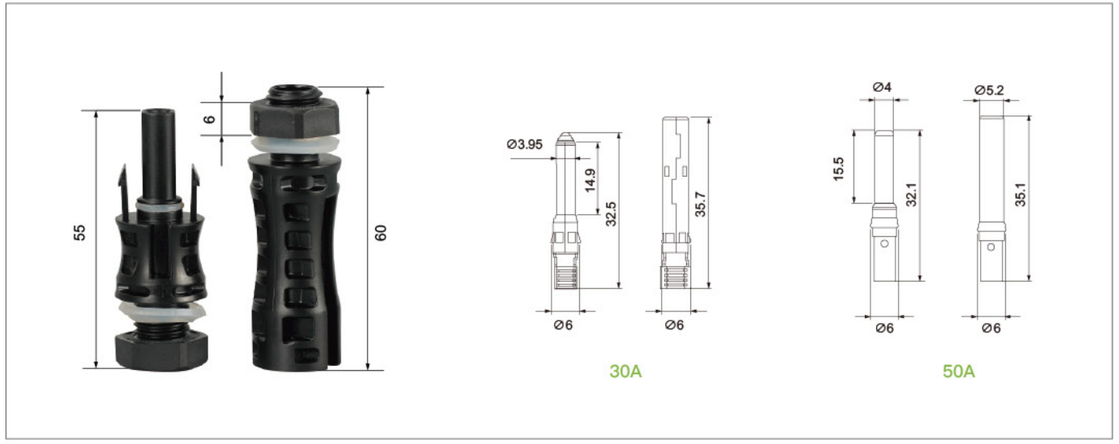
·PV-XQ01(1000V)
·PV-XQ01-1(1000V)



▶ Specifications

Connector system	Φ4mm
Rated voltage	1500V DC(IEC)1 1000V/1500V DC(UL)[2]
Rated current	17A(1.5mm²) 22A(2.5mm²;14AWG) 30A(4mm²;6mm²;10mm²;12AWG,10AWG)
Test voltage	6kV(50HZ,1min.)
Ambient temperature range	-40℃ ...+90℃ (IEC) -40℃ ...+75℃ (UL)
Upper limiting temper ature	+105℃ (IEC)
Degree of protection,mated	IP67
unmated	IP2X
Comtact resistanceof plug connectors	0.5mΩ
Safetyclass	Ⅱ
Contact material	Messing,verzinnt Copper Alloy,tin plated
Insulation material	PC/PV
Locking system	Snap-in
Flame class	UL-94-VO
Salt mist spray test,degree of severity 5	IEC 60068-2-52

▶ Dimensions



Solar DC Connector



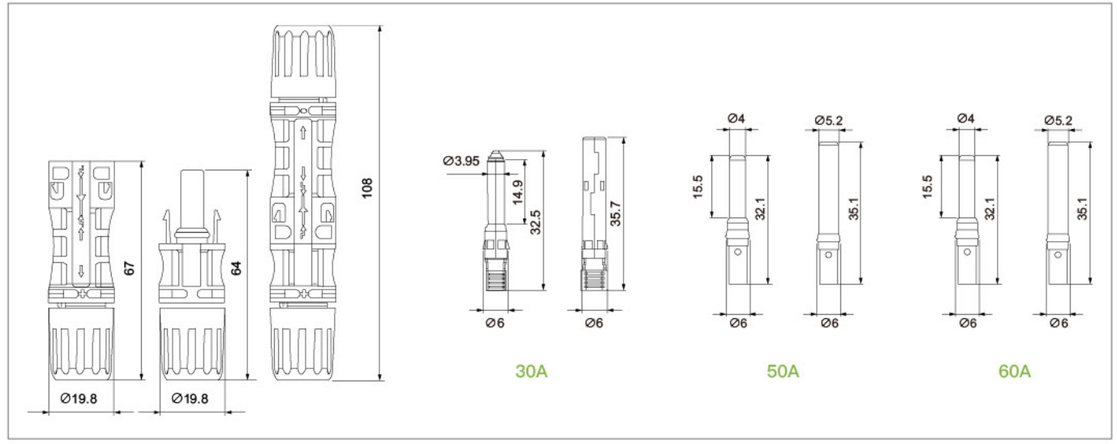
- PV-XQ4(1500V)
- PV-XQ4-1(1500V)

Solar DC Connector

▶ Specifications

Connector system	Φ4mm
Rated voltage	1500V DC(IEC)1 1000V/1500V DC(UL)[2]
Rated current	17A(1.5mm²) 22A(2.5mm²;14AWG) 30A(4mm²;6mm²;10mm²;12AWG,10AWG)
Test voltage	6kV(50HZ,1min.)
Ambient temperature range	-40℃ ...+90℃ (IEC) -40℃ ...+75℃ (UL)
Upper limiting temper ature	+105℃ (IEC)
Degree of protection,mated	IP67
unmated	IP2X
Comtact resistanceof plug connectors	0.5mΩ
Safetyclass	Ⅱ
Contact material	Messing,verzinnt Copper Alloy,tin plated
Insulation material	PC/PV
Locking system	Snap-in
Flame class	UL-94-VO
Salt mist spray test,degree of severity 5	IEC 60068-2-52

▶ Dimensions



Solar DC Connector

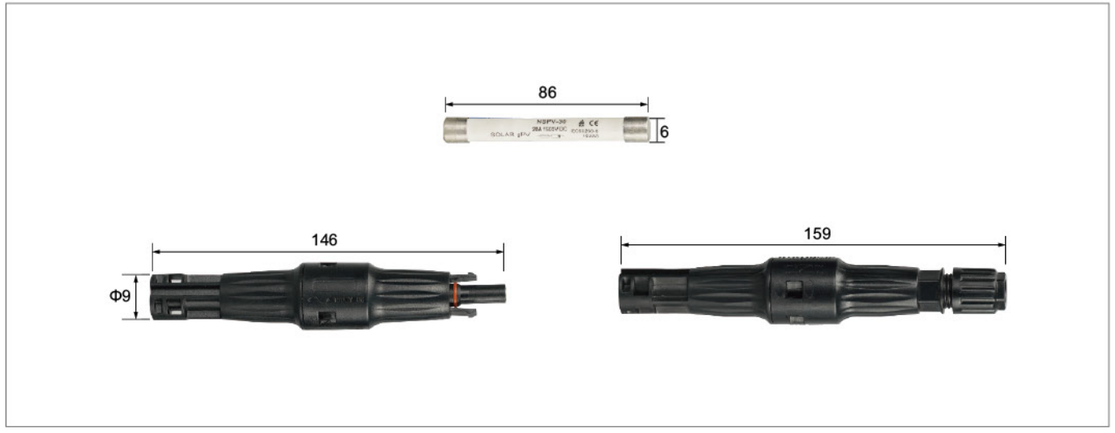


- PV-XQ05(1500V)
- PV-XQ05-1(1500V)

▶ Specifications

Connector system	Φ4mm
Rated voltage	1500V DC(IEC)1
Rated current	17A(1.5mm²) 22A(2.5mm²;14AWG) 30A(4mm²;6mm²;12AWG,10AWG)
Test voltage	6kV(50HZ,1min.)
Ambient temperature range	-40℃ ...+90℃ (IEC) -40℃ ...+75℃ (UL)
Upper limiting temper ature	+105℃ (IEC)
Degree of protection,mated	IP67
unmated	IP2X
Comtact resistanceof plug connectors	0.5mΩ
Safetyclass	Ⅱ
Contact material	Messing,verzinnt Copper Alloy,tin plated
Insulation material	PC/PPO
Locking system	Snap-in
Flame class	UL-94-VO
Salt mist spray test,degree of severity 5	IEC 60068-2-52

▶ Dimensions



Solar DC Connector

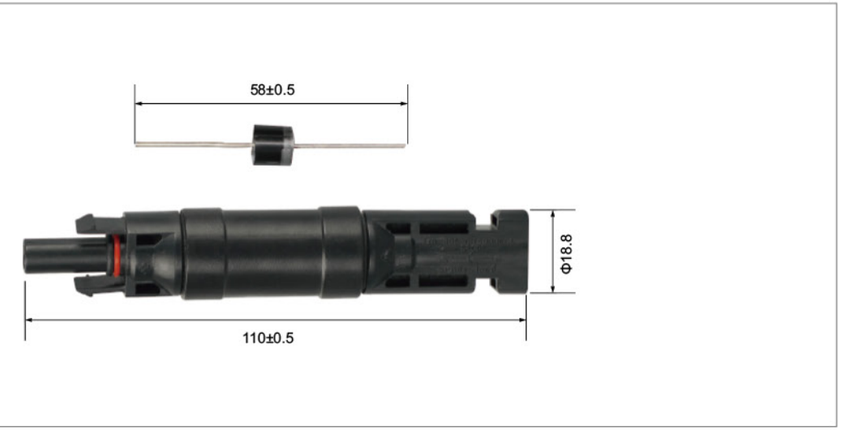
·PV-XQ4(1500V)
·PV-XQ4-1(1500V)



▶ Specifications

Connector system	Φ4mm
Rated voltage	1500V DC
Rated current	10A, 15A, 20A
Test voltage	6kV(50HZ,1min.)
Ambient temperature range	-40℃ ...+90℃ (IEC) -40℃ ...+75℃ (UL)
Upper limiting temper ature	+105℃ (IEC)
Degree of protection,mated	IP67
unmated	IP2X
Comtact resistanceof plug connectors	0.5mΩ
Safetyclass	Ⅱ
Contact material	Messing,verzinnt Copper Alloy,tin plated
Insulation material	PC/PPO
Locking system	Snap-in
Flame class	UL-94-VO
Salt mist spray test,degree of severity 5	IEC 60068-2-52

▶ Dimensions



Solar DC Connector

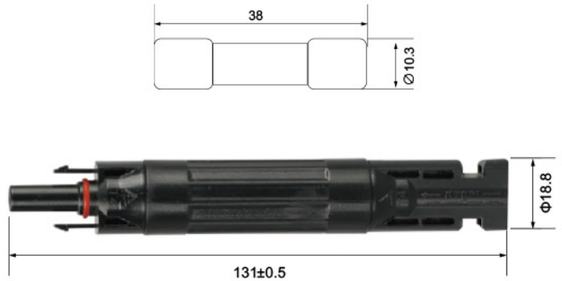
·PV-XQE01



▶ Specifications

Connector system	Φ4mm
Rated voltage	1500V DC
Rated current	10A, 15A, 20A, 30A
Test voltage	6kV(50HZ,1min.)
Ambient temperature range	-40℃ ...+90℃ (IEC) -40℃ ...+75℃ (UL)
Upper limiting temper ature	+105℃ (IEC)
Degree of protection,mated	IP67
unmated	IP2X
Comtact resistanceof plug connectors	0.5mΩ
Safetyclass	Ⅱ
Contact material	Messing,verzinnt Copper Alloy,tin plated
Insulation material	PC/PPO
Locking system	Snap-in
Flame class	UL-94-VO
Salt mist spray test,degree of severity 5	IEC 60068-2-52

▶ Dimensions



Solar DC Connector

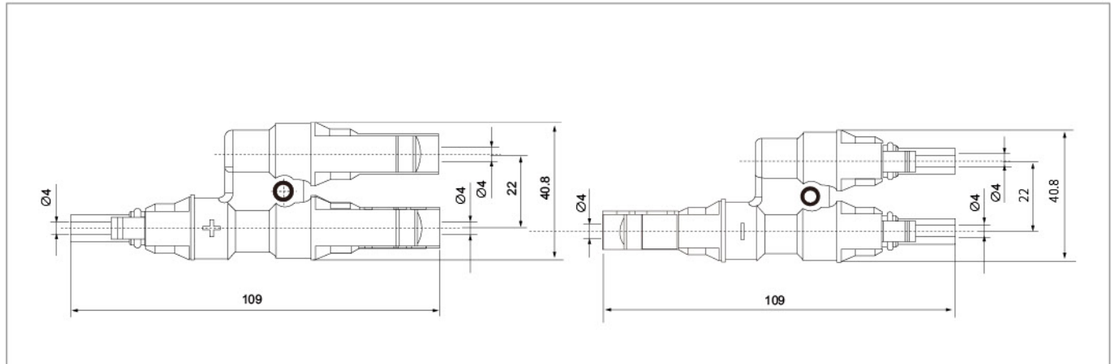
·PV-BMB01



▶ Specifications

Insulation Material	PPO
Contact Material	Copper, Tin plated
Suitable Current	50A
Rated Voltage	1000V (TUV) 600V (UL)
Test Voltage	6KV(TUV50HZ,1min)
Contact Resistance	<0.5mΩ
Degree Of Protection	IP67
Ambient Temperature Range	-40℃ ~+85℃
Flame Class	UL 94-VO
Safety Class	Ⅱ
Pin Dimensions	Φ4mm

▶ Dimensions



Solar DC Connector

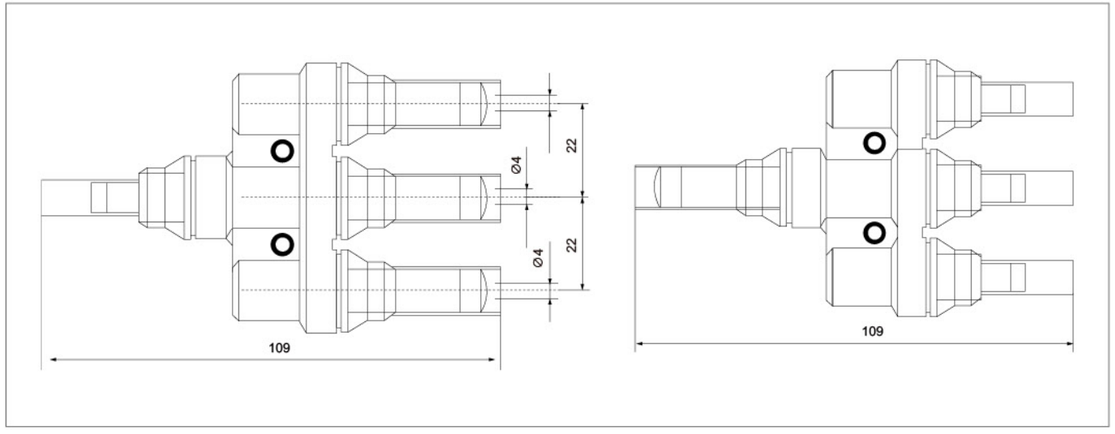
·PV-B2



▶ Specifications

Insulation Material	PPO
Contact Material	Copper, Tin plated
Suitable Current	50A
Rated Voltage	1000V (TUV) 600V (UL)
Test Voltage	6KV(TUV50HZ,1min)
Contact Resistance	<0.5mΩ
Degree Of Protection	IP67
Ambient Temperature Range	-40℃ ~+85℃
Flame Class	UL 94-VO
Safety Class	Ⅱ
Pin Dimensions	Φ4mm

▶ Dimensions



Solar DC Connector

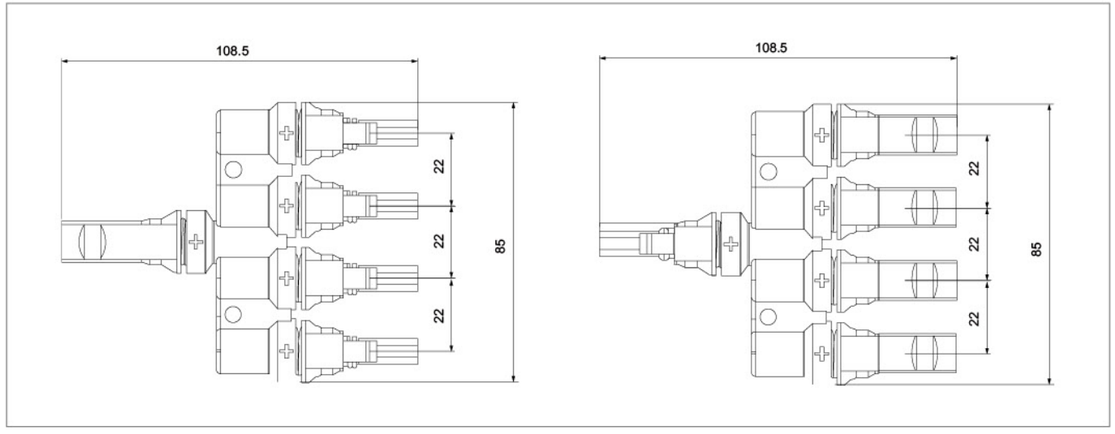
·PV-B3



▶ Specifications

Insulation Material	PPO
Contact Material	Copper, Tin plated
Suitable Current	30A
Rated Voltage	1000V (TUV) 600V (UL)
Test Voltage	6KV(TUV50HZ,1min)
Contact Resistance	<0.5mΩ
Degree Of Protection	IP67
Ambient Temperature Range	-40℃ ~+85℃
Flame Class	UL 94-VO
Safety Class	Ⅱ
Pin Dimensions	Φ4mm

▶ Dimensions



Solar DC Connector

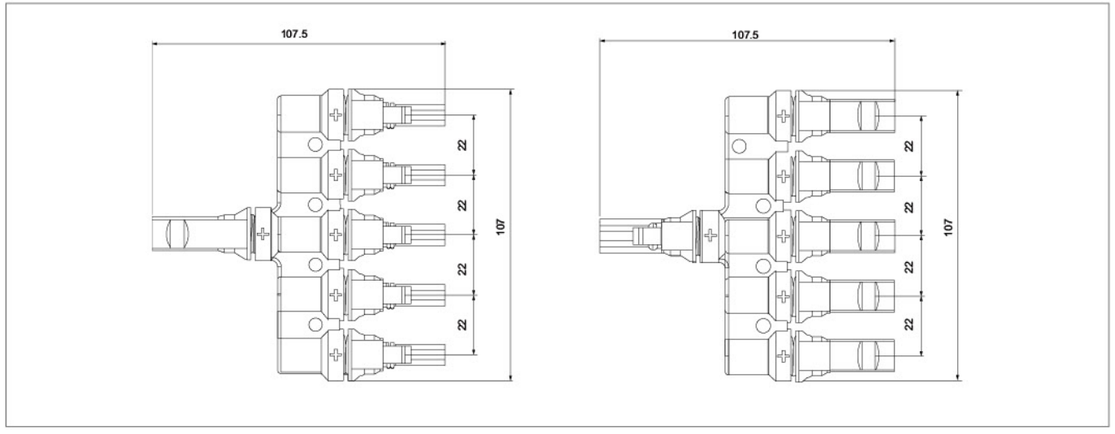
·PV-B4



▶ Specifications

Insulation Material	PPO
Contact Material	Copper, Tin plated
Suitable Current	30A
Rated Voltage	1000V (TUV) 600V (UL)
Test Voltage	6KV(TUV50HZ,1min)
Contact Resistance	<0.5mΩ
Degree Of Protection	IP67
Ambient Temperature Range	-40℃ ~+85℃
Flame Class	UL 94-VO
Safety Class	Ⅱ
Pin Dimensions	Φ4mm

▶ Dimensions



Solar DC Connector

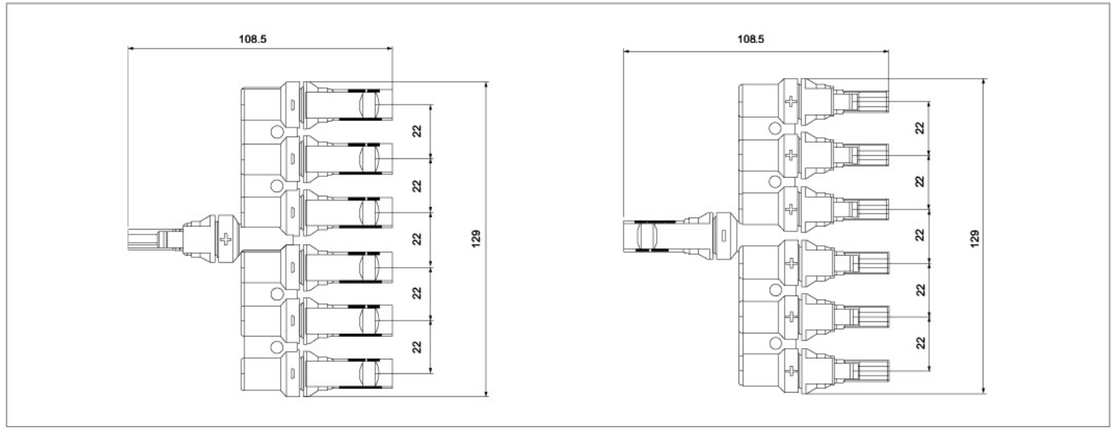
·PV-B5



▶ Specifications

Insulation Material	PPO
Contact Material	Copper, Tin plated
Suitable Current	30A
Rated Voltage	1000V (TUV) 600V (UL)
Test Voltage	6KV(TUV50HZ,1min)
Contact Resistance	<0.5mΩ
Degree Of Protection	IP67
Ambient Temperature Range	-40℃ ~+85℃
Flame Class	UL 94-VO
Safety Class	Ⅱ
Pin Dimensions	Φ4mm

▶ Dimensions



Solar DC Connector

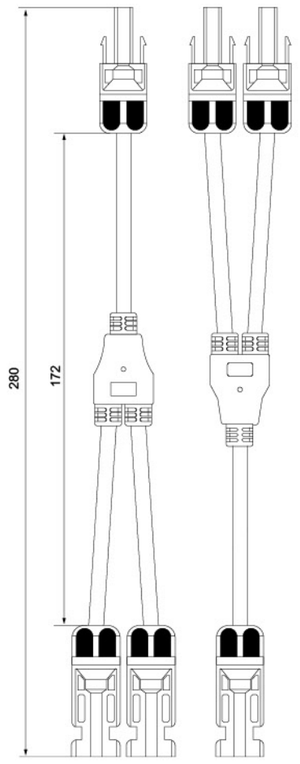
·PV-B6



▶ Specifications

Connector system	Φ4mm
Rated voltage	1000V DC(IEC)[1]
Rated current	30A
Test voltage	6kV(50HZ,1min.)
Ambient temperature range	-40℃ ...+90℃ (IEC) -40℃ ...+75℃ (UL)
Upper limiting temper ature	+105℃ (IEC)
Degree of protection,mated	IP67
Unmated	IP2X
Comtact resistanceof plug connectors	0.5mΩ
Safetyclass	Ⅱ
Contact material	Messing,verzinnt Copper Alloy,tin plated
Insulation material	PC/PA
Locking system	Snap-in
Flame class	UL-94-VO
Salt mist spray test,degree of severity 5	IEC 60068-2-52

▶ Dimensions



Branch Cable

·PV-BY2



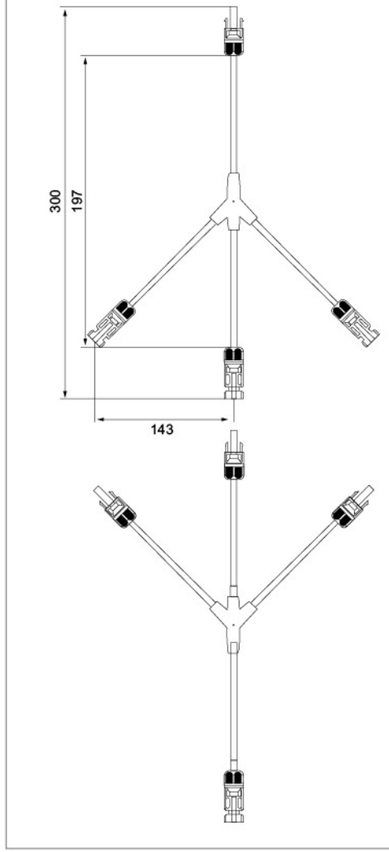
Solar DC Connector

XUANQI

▶ Specifications

Connector system	Φ4mm
Rated voltage	1000V DC(IEC)[1]
Rated current	30A
Test voltage	6kV(50HZ,1min.)
Ambient temperature range	-40℃ ...+90℃ (IEC) -40℃ ...+75℃ (UL)
Upper limiting temper ature	+105℃ (IEC)
Degree of protection,mated	IP67
Unmated	IP2X
Comtact resistanceof plug connectors	0.5mΩ
Safetyclass	Ⅱ
Contact material	Messing,verzinnt Copper Alloy,tin plated
Insulation material	PC/PA
Locking system	Snap-in
Flame class	UL-94-VO
Salt mist spray test,degree of severity 5	IEC 60068-2-52

▶ Dimensions



Branch Cable

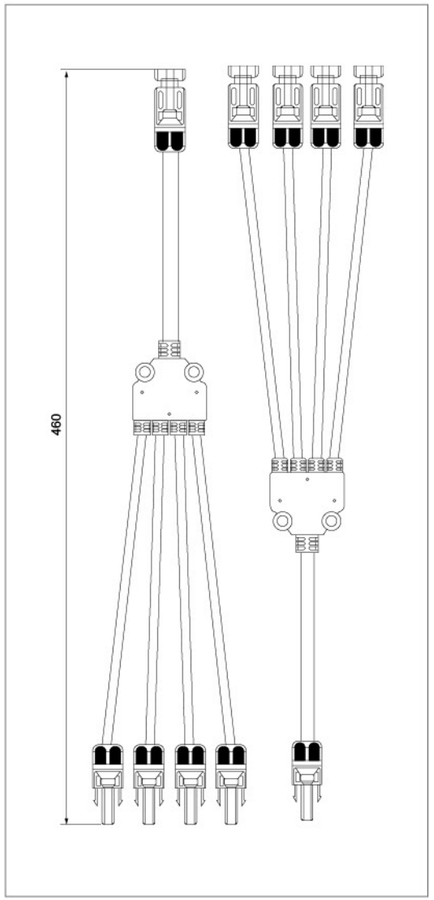
·PV-LTY3



▶ Specifications

Connector system	Φ4mm
Rated voltage	1000V DC(IEC)[1]
Rated current	30A
Test voltage	6kV(50HZ,1min.)
Ambient temperature range	-40℃ ...+90℃ (IEC) -40℃ ...+75℃ (UL)
Upper limiting temper ature	+105℃ (IEC)
Degree of protection,mated	IP67
Unmated	IP2X
Comtact resistanceof plug connectors	0.5mΩ
Safetyclass	Ⅱ
Contact material	Messing,verzinnt Copper Alloy,tin plated
Insulation material	PC/PA
Locking system	Snap-in
Flame class	UL-94-VO
Salt mist spray test,degree of severity 5	IEC 60068-2-52

▶ Dimensions



Branch Cable

·PV–LTY4



Memo