WENZHOU LONGQI NEW ENERGY TECHNOLOGY CO., LTD.

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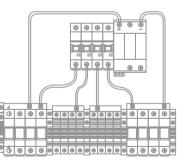








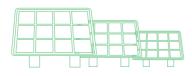








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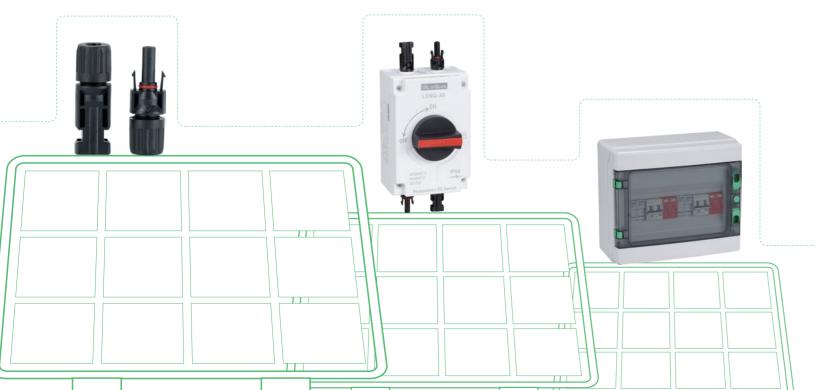
WENZHOU LONGQI NEW ENERGY TECHNOLOGY CO., LTD.





Emphasize customer needs
At the fastest speed and appropriate price
Provide high-quality and marketable new products
Occupy the market
And provide high-quality service to customers

A small step leads to a thousand miles
With continuous enthusiasm
Do every detail well
Achieve brilliant footprints one by one
Based on the present and leading the future
We are full of confidence





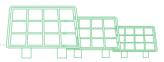












Wenzhou Longqi New Energy Technology Co., Ltd. is a professional manufacturer engaged in the research and development, production, sales, and service of photovoltaic DC isolation switches, solar DC connectors, solar DC series boxes, DC circuit breakers, DC surge protectors, DC fuses, conversion switches, and other products. We are located in Upstream Village, Liushi Town, Leqing City, Wenzhou City, Zhejiang Province, with convenient transportation. We are committed to strict quality control and attentive customer service, with experienced staff available to discuss your requirements at any time and ensure complete customer satisfaction.

In recent years, we have also obtained certifications such as CE/ROHS/TUV/CCC. Our products sell well in various provinces and cities in China and are also exported to customers in other countries and regions. We also welcome OEM and ODM orders. Whether you are selecting the current product from our catalog or seeking engineering assistance for your application, you can discuss your procurement requirements with our customer service center.

































To ensure the stability and reliability of product quality, we adhere to an international operating system and conduct strict testing and monitoring of our products. Our high standards are the perfect pursuit of the brand, and our many certifications are not only honors, but also the driving force for our progress!

































Wenzhou longqi new Energy technology Co., Ltd.





DC Isolated Switch Series

LONQ-40 01



_QX 1/1 DC	10
_QX 2/1 DC	13
LQX 2/2 DC	16
_QX 4/1 DC	19
_QX 4/2 DC	22
-QX F4/1 DC	25
-QX F6/1 DC	28
_QX F8/1 DC	31
_QX F10/1 DC	34
_QX F12/1 DC	37
_QX F14/1 DC	40
_QX F16/1 DC	43





LQL7-PV Non-Polarity DC circuit breaker	46
LQB1-63Z Polarity DC circuit breaker	48
LQM1-PV DC Breaker Non-Polarity	50
LD-40 PV DC Surge Protector	52
LQPV-1038(LQPV-32) Solar photovoltaic system overcurrent protection Dc fuse	54
LQPV-1085 Solar photovoltaic system overcurrent protection Dc fuse	57



Solar DC Connector series

Solar DC Conn	ector		
PV-30A(1000V)	PV-45A(1000V)		61
PV-30A(1500V)	PV-45A(1500V)	PV-60A(1500V)	62
PV-30A(1000V)-	BD		63
PV-30A(1500V)-	BD		64
PV-30A(1000V)-	FUSE		65
PV-30A(1500V)-	FUSE		66
PV-30A(1000V)-	diode		67
PV-T3			68
PV-T4			69
PV-T5			70
PV-T6			71
PV-T7			72
Branch Cable			
PV-Y3			73
PV-Y4			74
PV-Y5			75
SPECIAL WREN	СН		76













Technical Data

Testing Complies with AS 60947.3:2018,EN IEC 60947-3:2021, Utilization Category: DC-PV2

Testing Complies with AS 60947.3:2018,EN IEC 60947-3:202	.1, Utilization Categor	y. DC-PV2	
Main Parameters		unit	LONQ-40
Rated insulation voltage	Ui	V	1500
Rated thermal current	lth	А	32
Rated impulse withstand voltage	Uimp	V	8000
Rated short-circuit making capacity	lcw	А	1000
Maximum cable cross sections (incl. jumper)			
Solid or standard		mm²	2.5-6
Flexible		mm²	2.5-6
Flexible (+ multicore cable end)		mm²	2.5-6
Torque			
Tightening torque terminal screws M4.		Nm	1.2-1.8
Tightening torque shell mounting screws		Nm	1.5-2.0
Tightening torque knob screws		Nm	0.5-0.7
Switching on or off Torque		Nm	0.9-1.3
The wiring Torque on Base		Nm	1.1-1.4
General parameters			
Knob positions			OFF at 9 hr,ON at 12 hr
Mechanical life			10000
Number of DC poles			2 or 4
Operation temperature			-40 to +85
Storage temperature			-40 to +85
Pollution degree		°C	2
Overvoltage category		°C	III
IP rating of shafte and mounting nul			IP66





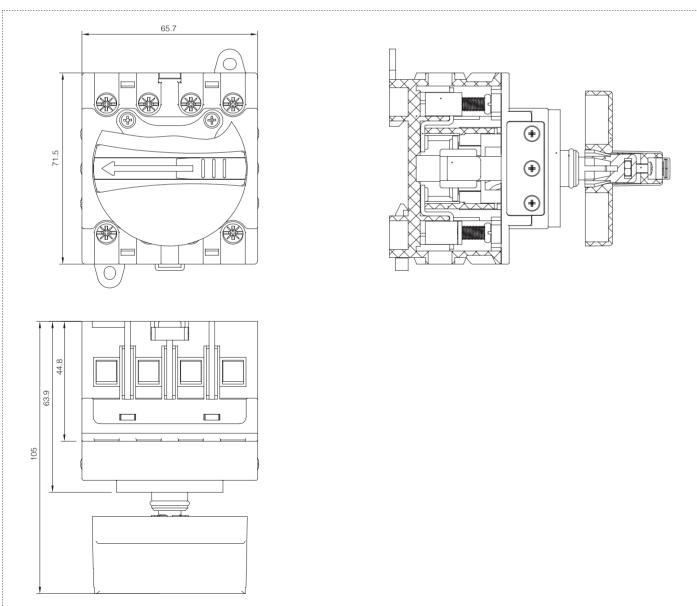




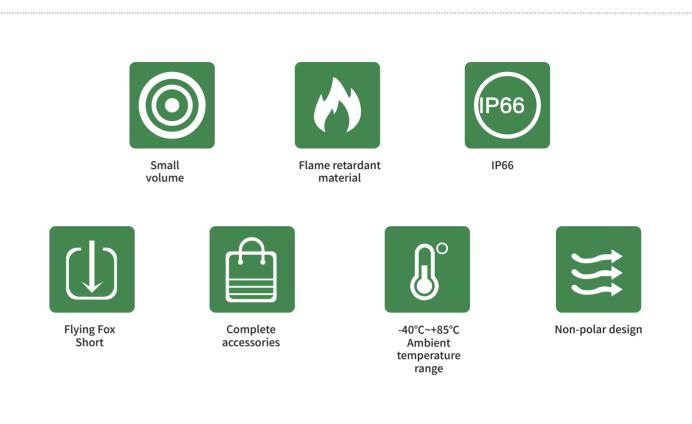




DIMENSIONAL DRAWING(MM)



High Craftsmanship AND High Standards



	Complies with AS 60947.3:2018,EN IEC 60947-3:2021,Utilization Category: DC-PV2			Pole	No. of Strings	Part Number	
600V	800V		1200V	1500V	role	No. or strings	Part Number
PV2	PV2	PV2	PV2	PV2			
32	32	25	16	6	2	1	LONQ-40-2
32		25	16	6	4	1	LONQ-40-4
32			32		4	1	LONQ-40-4S
32	32		32	23	4	1	LONQ-40-4B
32	32	32	32	23	4	1	LQNQ-40-4T

LONGQI NEW ENERGY / 04











Switching Configuration

Туре	PEDSC100R/120R	Contacts Wiring graph	Switching example
2-Pole	2	5 7	1 3 5 7
4-Pole	4	1 3 5 7	1 3 5 7
4-Pole with Input and Output on top	4T	1 3 5 7	1 3 5 7
4-Pole with Input and Output bottom	4B	1 3 5 7	1 3 5 7
4-Pole with Input on top Output bottom	4S	1 3 5 7	1 3 5 7

DC Isolated Switch LONQ-40



SPECIFICATIONS

Rated Operating Voltage: DC0-1500V Poles: 2P/4P Max Current: 32A Mechanical Life: 10,000 times IP Rating: IP66

Connection Type: M12,M20, MC4 Solar connector Working Temperature: -5 ° C-+60 ° C Standard: IEC 60947-3,AS 60947-3 Operating Temperature: -40°C to +85°C Operating Altitude: 2000 Meter

MAIN FUNCTIONS Quickly

disconnect DC power from your solar array to the charge controller batteries and/or inverter during system installation or any maintenance.

It is designed according to IEC60947-1&3 standard photovoltaic DC isolation switch for solar combiner box up to 1500VDC Used to install between the solar panel and the solar charge controller, between the solar panel and the inverter , between the solar panel and solar panel.

SAFE ISOLATION

pre-wired DC isolator with MC4 connectors for faster and safer installation. The load is disconnected up to 8 times rated current which is ideal choice for any electrical isolation requirements such as repair, maintenance, inspection, installation, etc HIGH SECURITY This solar disconnect switch provide a Comprehensive Isolation Switch with independent and enclosed form and the padlock make it locks in OFF position and is tamper-proof.

Compact design and does not take up too much space. IP 66 waterproof, durable construction excellent weather resistance (-40F-185F) UV resistance UL 746C Suitable for outdoor use Protect your PV DC isolator switch from rain and dust and other weather factors COMPATIBILITY The PV DC isolation switch with solar connector Suitable for solar power system RV, ship and OFF-grid/ON-grid solar system.

Specially designed for home solar systems and commercial solar systems.

Product characteristics

Used to Install Between the Solar Panel and the Solar Charge Controller, Between the Solar Panel and the Inverter Safe Designed for Home Solar System, Commercial Solar System Free System Design and Technical Support Solar Off-Grid System and On-Grid System 32 A DC Disconnect Switch





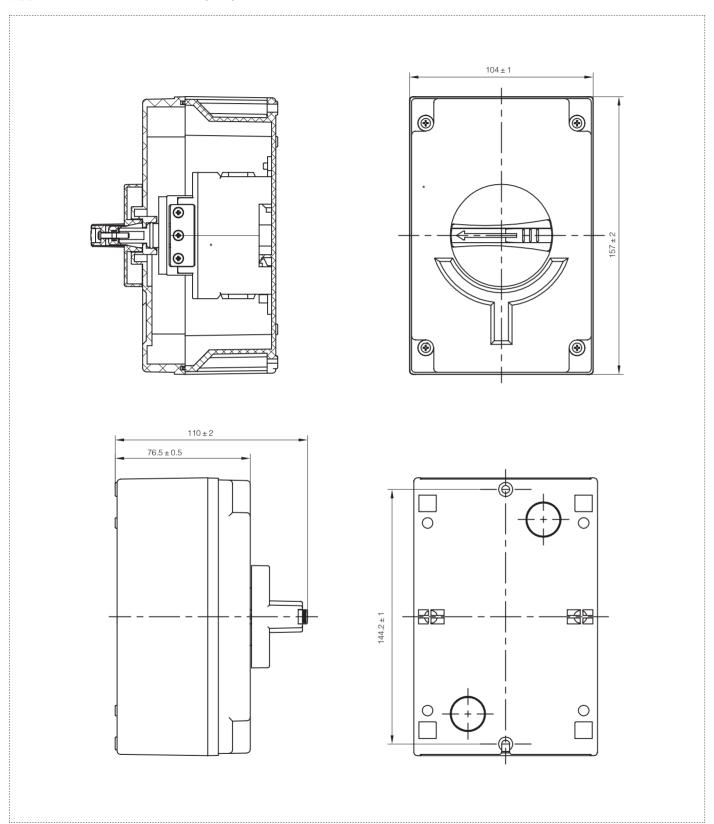




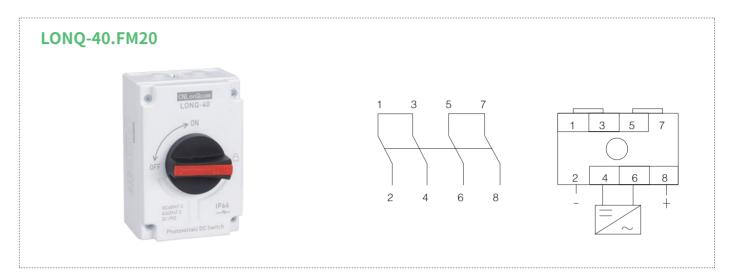


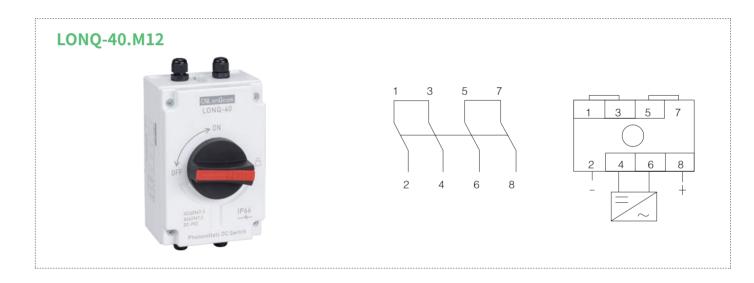


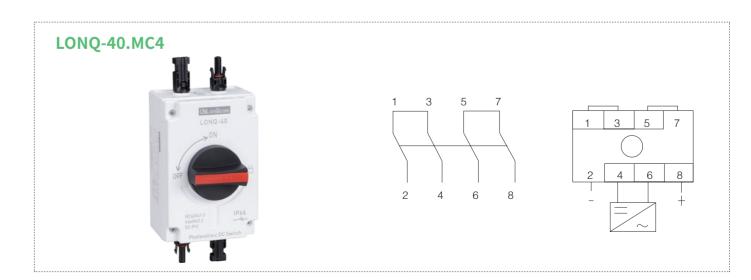
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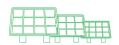


ENCLOSURE DC ISOLATOR



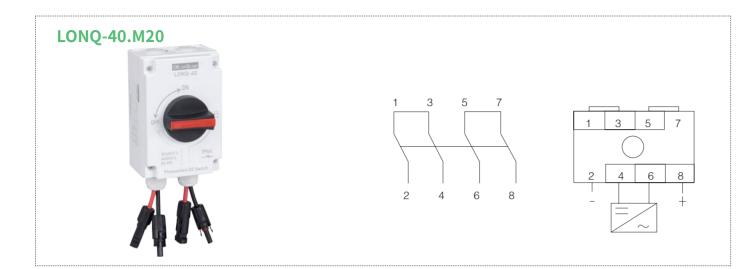


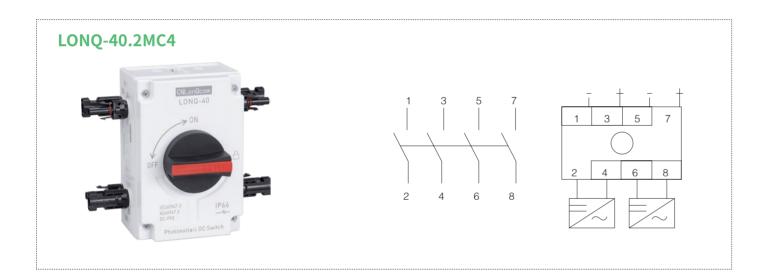


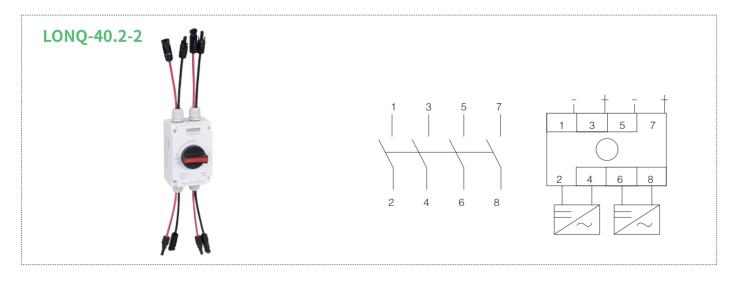






















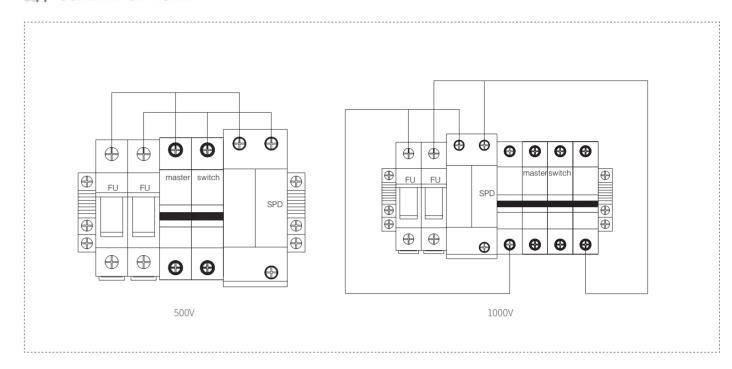


Name	LQX 1/1 DC	
	Electric parameter	
System maximum dc voltage	500 1000	
Maximum input current for each string	15A; 20A; 30A	
Maximum input strings	1	
Maximum output switch current	16A/20A/32A	
Number of inverter MPPT	1	
Number of Output strings	1	
	Lightning protection	
Category of test	ll grade protection	
Nominal discharge current	20kA	
Maximum discharge current	40kA	
Voltage protection level	2.0kV 3.6kV	
Maximum continuous operating voltage Uc	500V 1050V	
Poles	2P 3P	
Structure characteristic	Plug-push module	
	System	
Protection grade	IP65	
Output switch	DC isolation switch(standard)/DC circuit breaker(optional)	
SMC4 Waterproof Connectors	Standard	
PV dc fuse	Standard	
PV surge protector	Standard	
Monitoring module	Optional	
Preventing diode	Optional	
Box material	PVC	
Installation method	Wall mounting type	
Operating Temperature	-25° C~+55° C	
Elevation of temperature	2km	
Permissible relative humidity	0-95%, no condensation	

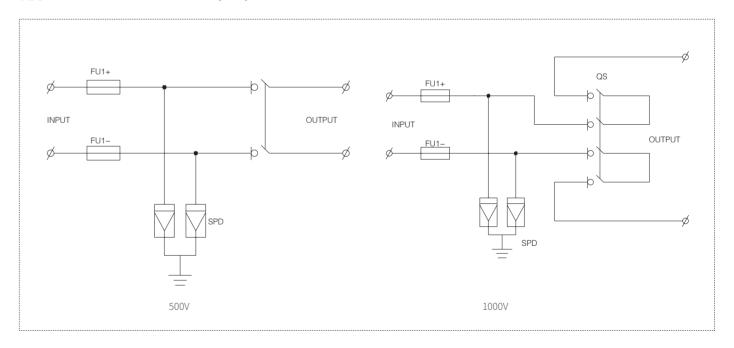
DESCRIPTION

LQX 1/1 DC combiner box is suitable for inverter (MAX input voltage DC500V/DC1000V, 1 PV input channel, 1 output channel, single MPPTinverter). Box body is made of PVC engineering materials, with test for fire retardant, temperature rise, anti impact, anti ultraviolet, and othertesting. IP65 protection grade. Design and configuration strictly accordance with the "Technical specification for photovoltaic junction equipment" CGC/GF 037:2014. Provide users with a safe. It is installed between the solar panels and the solar inverter, designed and customized with the most reliable DC components to provide maximum protection.

SCHEMATIC DIAGRAM



DIM ENSIONAL DRAWING(MM)













Name	LQX 2/1 DC	
	Electric parameter	
System maximum dc voltage	500	1000
Maximum input current for each string	15A; 20A; 30A	
Maximum input strings	2	
Maximum output switch current	32A/40A/50A/63A	
Number of inverter MPPT	1	
Number of Output strings	1	
	Lightning protection	
Category of test	II grade protection	
Nominal discharge current	20kA	
Maximum discharge current	40kA	
Voltage protection level	2.0kV	3.6kV
Maximum continuous operating voltage Uc	500V	1050V
Poles	2P	3P
Structure characteristic	Plug-push module	
	System	
Protection grade	IP65	
Output switch	DC isolation switch(standa	ard)/DC circuit breaker(optional)
SMC4 Waterproof Connectors	Standard	
PV dc fuse	Standard	
PV surge protector	Standard	
Monitoring module	Optional	
Preventing diode	Optional	
Box material	PVC	
Installation method	Wall mounting type	
Operating Temperature	-25°C ~+55°C	
Elevation of Temperature	2km	
Permissible relative humidity	0-95%, no condensation	

DESCRIPTION

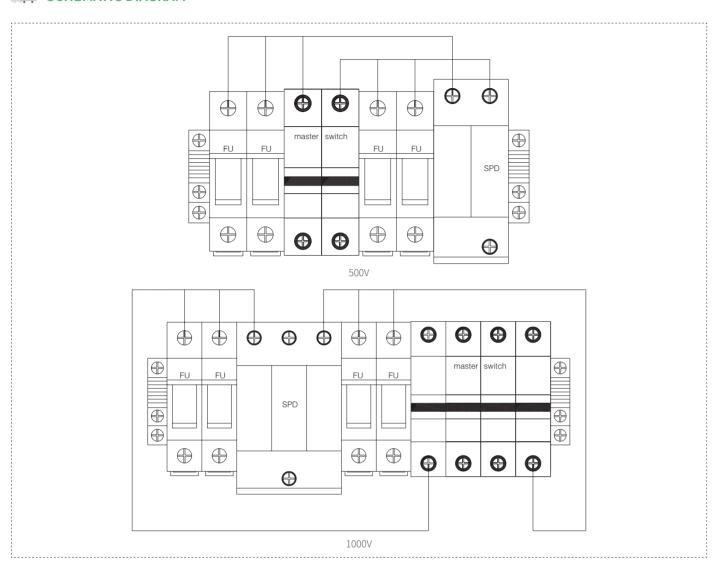
LQX 2/1 DC combiner box is suitable for inverter (MAX input voltage DC500V/DC1000V, 2 PV input channel, 1 output channel, single MPPT inverter). Box body is made of PVC engineering materials, with test for fire retardant, temperature rise, anti impact, anti ultraviolet, and other testing. IP65 protection grade. Design and configuration strictly accordance with the "Technical specification for photovoltaic junction equipment" CGC/GF 037:2014. It is installed between the solar panels and the solar inverter, designed and customized with the most reliable DC components to provide maximum protection.



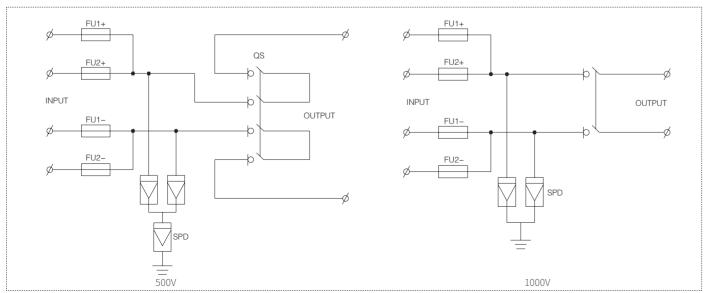




SCHEMATIC DIAGRAM



DIM ENSIONAL DRAWING(MM)













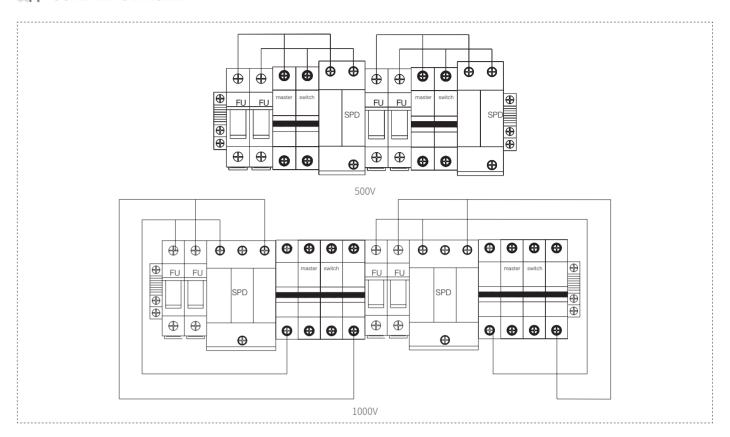


Name	LQX 2/2 DC
	Electric parameter
System maximum dc voltage	500 1000
Maximum input current for each string	15A/20A/30A
Maximum input strings	2
Maximum output switch current	16A/20A/32A
Number of inverter MPPT	2
Number of Output strings	2
	Lightning protection
Category of test	II grade protection
Nominal discharge current	20kA
Maximum discharge current	40kA
Voltage protection level	2.0kV 3.6kV
Maximum continuous operating voltage Uc	500V 1050V
Poles	2P 3P
Structure characteristic	Plug-push module
	System
Protection grade	IP65
Output switch	DC isolation switch(standard)/DC circuit breaker(optional)
SMC4 Waterproof Connectors	Standard
PV dc fuse	Standard
PV surge protector	Standard
Monitoring module	Optional
Preventing diode	Optional
Box material	PVC
Installation method	Wall mounting type
Operating Temperature	-25°C ~+55°C
Elevation of temperature	2km
Permissible relative humidity	0-95%, no condensation

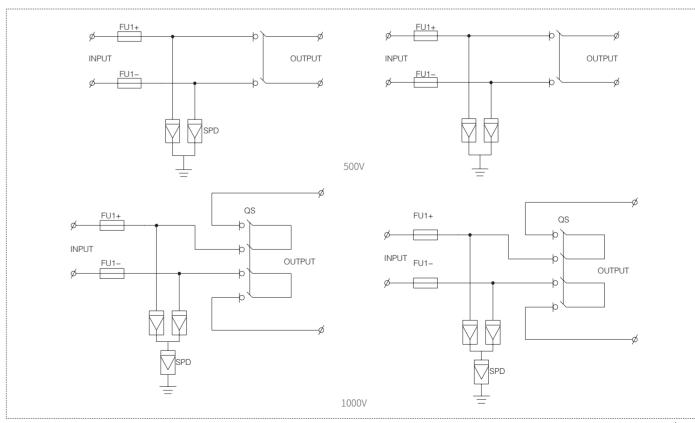
DESCRIPTION

LQX 2/2 DC combiner box is suitable for inverter (MAX input voltage DC500V/DC1000V, 2 PV input channel, 2 output channel, single MPPT inverter). Box body is made of PVC engineering materials, with test for fire retardant, temperature rise, anti impact, anti ultraviolet, and other testing. IP65 protection grade. Design and configuration strictly accordance with the "Technical specification for photovoltaic junction equipment" CGC/GF 037:2014. Provide users with a safe. It is installed between the solar panels and the solar inverter, designed and customized with the most reliable DC components to provide maximum protection.

SCHEMATIC DIAGRAM



DIM ENSIONAL DRAWING (MM)











Name	LQX 4/1 DC	
	Electric parameter	
System maximum dc voltage	500 1000	
Maximum input current for each string	15A/20A	
Maximum input strings	4	
Maximum output switch current	63A/80A/100A	
Number of inverter MPPT	1	
Number of Output strings	1	
	Lightning protection	
Category of test	II grade protection	
Nominal discharge current	20kA	
Maximum discharge current	40kA	
Voltage protection level	2.0kV 3.6kV	
Maximum continuous operating voltage Uc	500V 1050V	
Poles	2P 3P	
Structure characteristic	Plug-push module	
	System	
Protection grade	IP65	
Output switch	DC isolation switch(standard)/DC circuit breaker(optional)	
SMC4 Waterproof Connectors	Standard	
PV dc fuse	Standard	
PV surge protector	Standard	
Monitoring module	Optional	
Preventing diode	Optional	
Box material	PVC	
Installation method	Wall mounting type	
Operating Temperature	-25°C ~+55°C	
Elevation of temperature	2km	
Permissible relative humidity	0-95%,no condensation	

DESCRIPTION

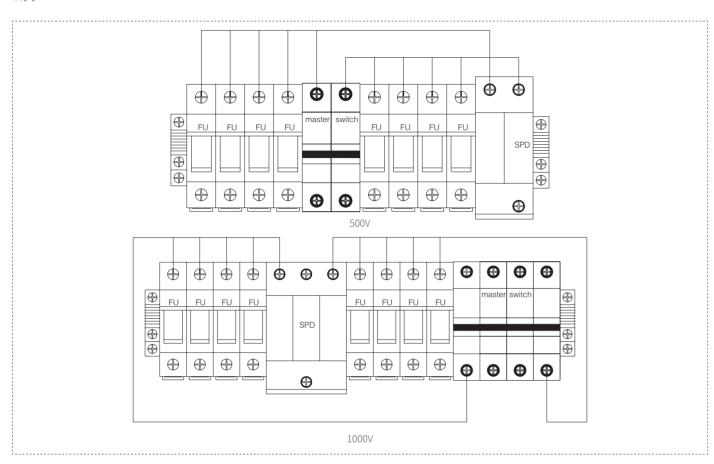
LQX 4/1 DC combiner box is suitable for inverter (MAX input voltage DC500V/DC1000V, 4 PV input channel, 1 output channel, single MPPT inverter). Box body is made of PVC engineering materials, with test for fire retardant, temperature rise, anti impact, anti ultraviolet, and other testing. IP65 protection grade. $Design \ and \ configuration \ strictly \ accordance \ with \ the \ "Technical specification for photovoltaic junction equipment" \ CGC/GF \ 037:2014. \ Provide \ users \ with \ a \ safe.$ It is installed between the solar panels and the solar inverter, designed and customized with the most reliable DC components to provide maximum protection.



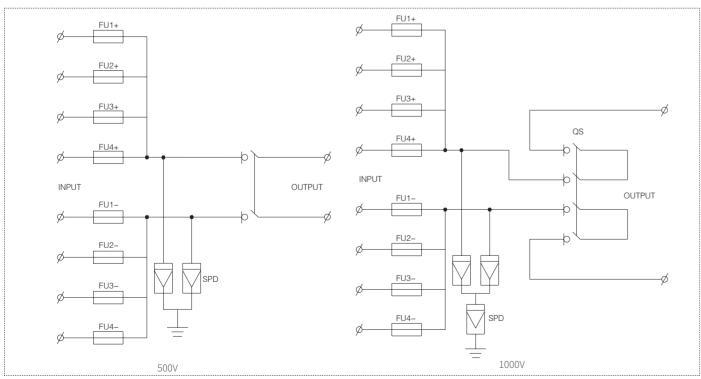




SCHEMATIC DIAGRAM



DIM ENSIONAL DRAWING(MM)



















Name	LQX 4/2 DC	
	Electric parameter	
System maximum dc voltage	500 1000	
Maximum input current for each string	15A/20A/30A	
Maximum input strings	4	
Maximum output switch current	20A/32A	
Number of inverter MPPT	2	
Number of Output strings	2	
	Lightning protection	
Category of test	II grade protection	
Nominal discharge current	20kA	
Maximum discharge current	40kA	
Voltage protection level	2.0kV 3.6kV	
Maximum continuous operating voltage Uc	500V 1050V	
Poles	2P 3P	
Structure characteristic	Plug-push module	
	System	
Protection grade	IP65	
Output switch	DC isolation switch(standard)/DC circuit breaker(optional)	
SMC4 Waterproof Connectors	Standard	
PV dc fuse	Standard	
PV surge protector	Standard	
Monitoring module	Optional	
Preventing diode	Optional	
Box material	PVC	
Installation method	Wall mounting type	
Operating Temperature	-25°C ~+55°C	
Elevation of temperature	2km	
Permissible relative humidity	0-95%,no ondensation	

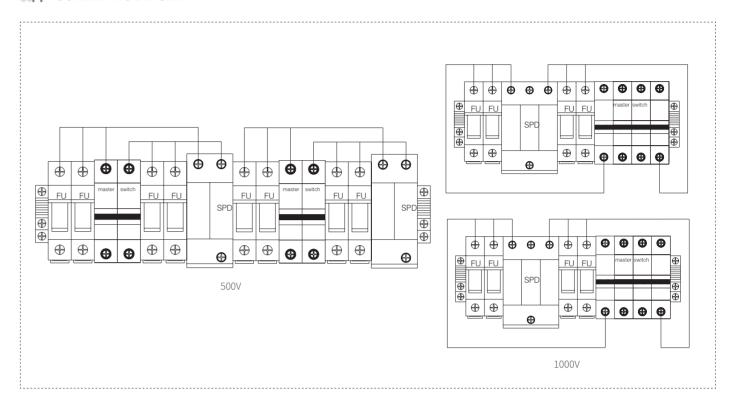
DESCRIPTION

LQX 4/2 DC combiner box is suitable for inverter (MAX input voltage DC500V/DC1000V, 4 PV input channel, 2 output channel, double MPPT inverter). Box body is made of PVC engineering materials, with test for fire retardant, temperature rise, anti impact, anti ultraviolet, and other testing. IP65 protection grade.

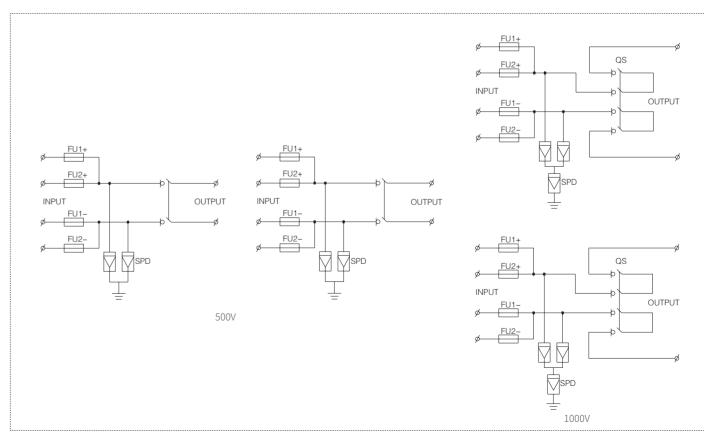
Design and configuration strictly accordance with the "Technical specification for photovoltaic junction equipment" CGC/GF 037:2014. Provide users with a safe.

It is installed between the solar panels and the solar inverter, designed and customized with the most reliable DC components to provide maximum protection.

SCHEMATIC DIAGRAM



DIM ENSIONAL DRAWING(MM)



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LQX F4/1 DC High reliability With DC FUSE With DC Surge Protection Device With DC circuit breaker or DC load isolation switch. Strong adaptability IP65 design, waterproof, anti dust and anti ultraviolet. Strict test for high and low temperature, used widely. The simple installation, the simplified system wiring, the convenient wiring . The box body is made of cold rolled steel and other metal materials. Flexible configuration Used for single crystal silicon solar modules, polycrystalline silicon solar modules, thin film solar modules. Current rating of the photovoltaic fuse, circuit breaker, load isolation switch is modified. PV combiner box **Solar combiner box**







TECHNICAL PARAMETERS

Name	LQX F4/1 DC	
	Electric parameter	
System maximum dc voltage	1000 1500	
Maximum input current for each string	15A	
Maximum input strings	4	
Maximum output switch current	63A	
Number of inverter MPPT	N	
Number of Output strings	1	
	Lightning protection	
Category of test	II grade protection	
Nominal discharge current	20kA	
Maximum discharge current	40kA	
Voltage protection level	3.6kV 5.3kV	
Maximum continuous operating voltage Uc	1050V 1500V	
Poles	3P	
Structure characteristic	Plug-push module	
	System	
Protection grade	IP66	
Output switch	DC isolation switch(standard)/DC circuit breaker(option	onal)
SMC4 Waterproof Connectors	Standard	
PV dc fuse	Standard	
PV surge protector	Standard	
Monitoring module	Optional	
Preventing diode	Optional	
Box material	Metal	
Installation method	Wall mounting type	
Operating Temperature	-25°C ~+55°C	
Elevation of temperature	2km	
Permissible relative humidity	0-95%,no condensation	

DESCRIPTION

LQX F4/1 DC PV combiner box bus synthetic DC input of 4 PV components to 1 output. Each channel is with a fuse. Output side is equipped with lightning protection and circuit breaker. It greatly simplify input wiring of DC power distribution cabinet and inverter. Realize lightning protection, short circuit protection and grounding protection. PV combiner box divided into two types: intelligent box and non-intelligent box. Intelligent PV combiner box is equipped with monitoring unit, then detect input current of each string, detect inside temperature, detect lightning protection status, detect circuit breaker status and summarize output voltage and so on.

Design and configuration strictly accordance with the "Technical specification for photovoltaic junction equipment" CGC/GF 037:2014. Provide users with a safe, brief, beautiful and applicable photovoltaic system products.

The product adopts outdoor wall mounted type, which adapt to the harsh environment. In addition to the core components, the other can be customized by user requirements.

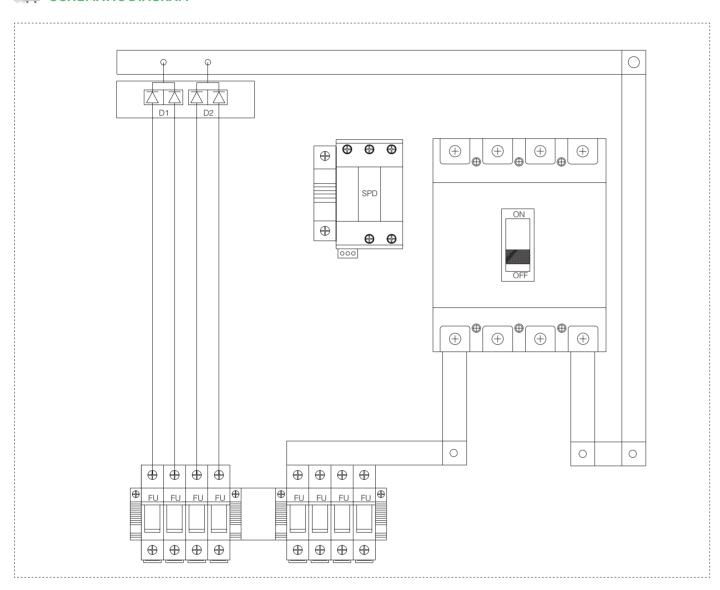




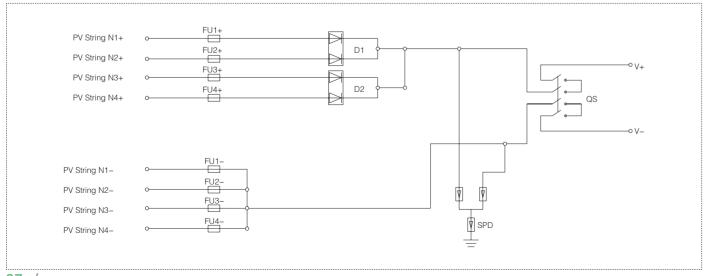




SCHEMATIC DIAGRAM



DIM ENSIONAL DRAWING(MM)

















Name	LQX F6/1 DC		
	Electric parameter		
System maximum dc voltage	1000 1500		
Maximum input current for each string	15A		
Maximum input strings	6		
Maximum output switch current	100A		
Number of inverter MPPT	N		
Number of Output strings	1		
	Lightning protection		
Category of test	Il grade protection		
Nominal discharge current	20kA		
Maximum discharge current	40kA		
Voltage protection level	3.6kV 5.3kV		
Maximum continuous operating voltage Uc	1050V 1500V		
Poles	3P		
Structure characteristic	Plug-push module		
	System		
Protection grade	IP66		
Output switch	DC isolation switch(standard)/DC circuit breaker(optional)		
SMC4 Waterproof Connectors	Standard		
PV dc fuse	Standard		
PV surge protector	Standard		
Monitoring module	Optional		
Preventing diode	Optional		
Box material	Metal		
Installation method	Wall mounting type		
Operating Temperature	-25°C ~+55°C		
Elevation of temperature	2km		
Permissible relative humidity	0-95%,no condensation		

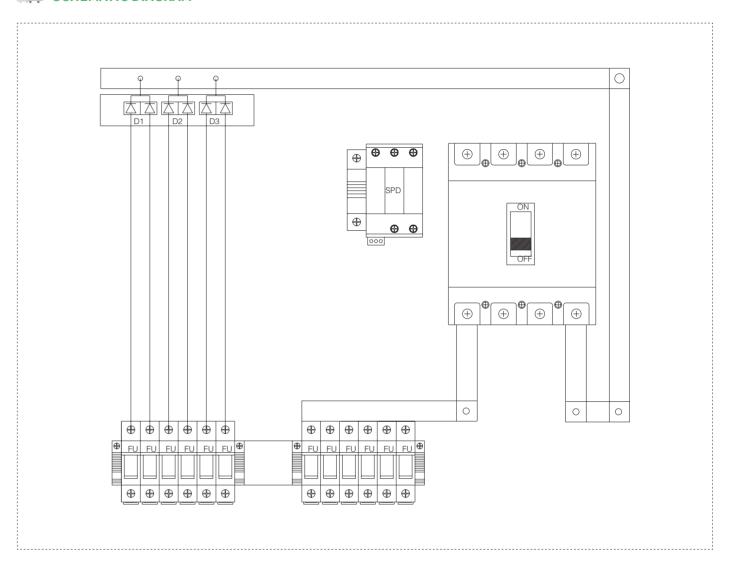
DESCRIPTION

LQX F6/1 DC PV combiner box bus synthetic DC input of 6 PV components to 1 output. Each channel is with a fuse. Output side is equipped with lightning protection and circuit breaker. It greatly simplify input wiring of DC power distribution cabinet and inverter. Realize lightning protection, short circuit protection and grounding protection. PV combiner box divided into two types: intelligent box and non-intelligent box. Intelligent PV combiner box is equipped with monitoring unit, then detect input current of each string, detect inside temperature, detect lightning protection status, detect circuit breaker status and summarize output voltage and so on.

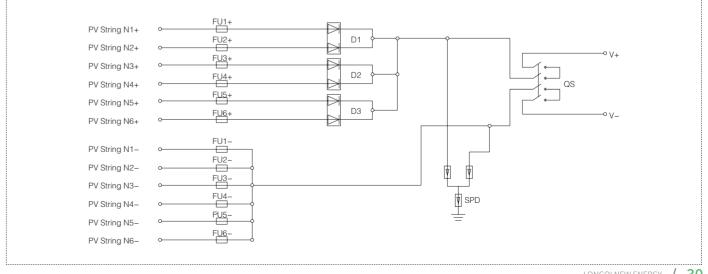
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SCHEMATIC DIAGRAM



DIM ENSIONAL DRAWING(MM)



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LQX F8/1 DC High reliability With DC FUSE With DC Surge Protection Device With DC circuit breaker or DC load isolation switch. Strong adaptability IP65 design, waterproof, anti dust and anti ultraviolet. Strict test for high and low temperature, used widely. The simple installation, the simplified system wiring, the convenient wiring . The box body is made of cold rolled steel and other metal materials. Flexible configuration Used for single crystal silicon solar modules, polycrystalline silicon solar modules, thin film solar modules. Current rating of the photovoltaic fuse, circuit breaker, load isolation switch is modified. PV combiner box **Solar combiner box**







TECHNICAL PARAMETERS

Name	LQX F8/1 DC		
	Electric parameter		
System maximum dc voltage	1000 1500		
Maximum input current for each string	15A		
Maximum input strings	8		
Maximum output switch current	125A		
Number of inverter MPPT	N		
Number of Output strings	1		
	Lightning protection		
Category of test	II grade protection		
Nominal discharge current	20kA		
Maximum discharge current	40kA		
Voltage protection level	3.6kV 5.3kV		
Maximum continuous operating voltage Uc	1050V 1500V		
Poles	3P		
Structure characteristic	Plug-push module		
	System		
Protection grade	IP66		
Output switch	DC isolation switch(standard)/DC circuit breaker(option	al)	
SMC4 Waterproof Connectors	Standard		
PV dc fuse	Standard		
PV surge protector	Standard		
Monitoring module	Optional		
Preventing diode	Optional		
Box material	Metal		
Installation method	Wall mounting type	Wall mounting type	
Operating Temperature	-25°C ~+55°C	-25°C ~+55°C	
Elevation of temperature	2km	2km	
Permissible relative humidity	0-95%,no condensation		

DESCRIPTION

LQX F8/1 DC PV combiner box bus synthetic DC input of 8 PV components to 1 output. Each channel is with a fuse. Output side is equipped with lightning protection and circuit breaker. It greatly simplify input wiring of DC power distribution cabinet and inverter. Realize lightning protection, short circuit protection and grounding protection. PV combiner box divided into two types: intelligent box and non-intelligent box. Intelligent PV combiner box is equipped with monitoring unit, then detect input current of each string, detect inside temperature, detect lightning protection status, detect circuit breaker status and summarize output voltage and so on.

Design and configuration strictly accordance with the "Technical specification for photovoltaic junction equipment" CGC/GF 037:2014. Provide users with a safe, brief, beautiful and applicable photovoltaic system products.

The product adopts outdoor wall mounted type, which adapt to the harsh environment. In addition to the core components, the other can be customized by user requirements.

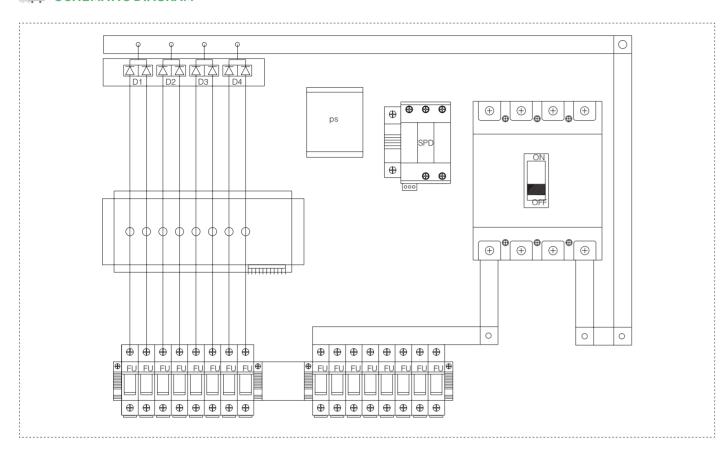




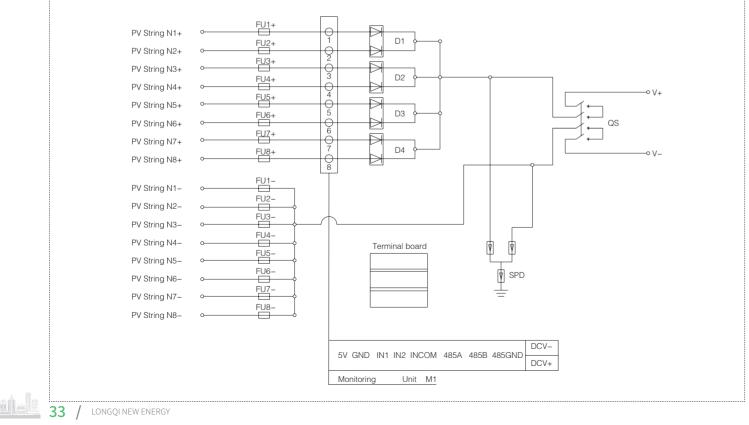




SCHEMATIC DIAGRAM



DIM ENSIONAL DRAWING(MM)



LQX F10/1 DC

With DC FUSE

High reliability

With DC Surge Protection Device

With DC circuit breaker or DC load isolation switch.

Strong adaptability

IP65 design, waterproof, anti dust and anti ultraviolet.

Strict test for high and low temperature, used widely.

The simple installation, the simplified system wiring, the convenient wiring . The box body is made of cold rolled steel and other metal materials.

Flexible configuration

Used for single crystal silicon solar modules, polycrystalline silicon solar modules, thin film solar modules. Current rating of the photovoltaic fuse, circuit breaker, load isolation switch is modified.

PV combiner box















Name	LQX F10/1 DC		
	Electric parameter		
System maximum dc voltage	1000 1500		
Maximum input current for each string	15A		
Maximum input strings	10		
Maximum output switch current	160A		
Number of inverter MPPT	N		
Number of Output strings	1		
	Lightning protection		
Category of test	II grade protection		
Nominal discharge current	20kA		
Maximum discharge current	40kA		
Voltage protection level	3.6kV 5.3kV		
Maximum continuous operating voltage Uc	1050V 1500V		
Poles	3P		
Structure characteristic	Plug-push module		
	System		
Protection grade	IP66		
Output switch	DC isolation switch(standard)/DC circuit breaker(optional)		
SMC4 Waterproof Connectors	Standard		
PV dc fuse	Standard		
PV surge protector	Standard		
Monitoring module	Optional		
Preventing diode	Optional		
Box material	Metal		
Installation method	Wall mounting type		
Operating Temperature	-25°C ~+55°C		
Elevation of temperature	2km		
Permissible relative humidity	0-95%,no condensation		

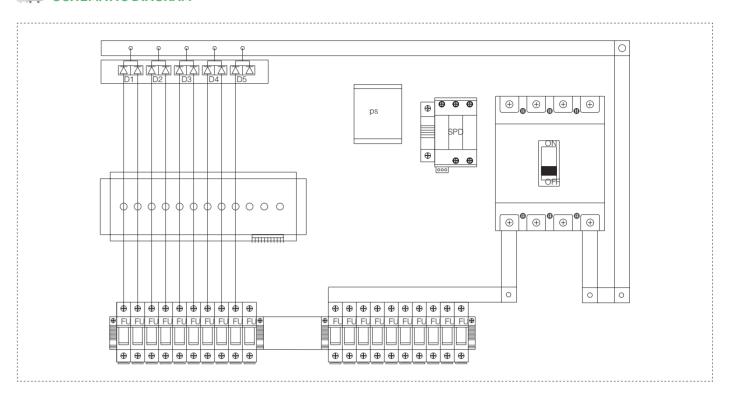
DESCRIPTION

LQX F10/1 DC PV combiner box bus synthetic DC input of 10 PV components to 1 output. Each channel is with a fuse. Output side is equipped with lightning protection and circuit breaker. It greatly simplify input wiring of DC power distribution cabinet and inverter. Realize lightning protection, short circuit protection and grounding protection. PV combiner box divided into two types: intelligent box and non-intelligent box. Intelligent PV combiner box is equipped with monitoring unit, then detect input current of each string, detect inside temperature, detect lightning protection status, detect circuit breaker status and summarize output voltage and so on.

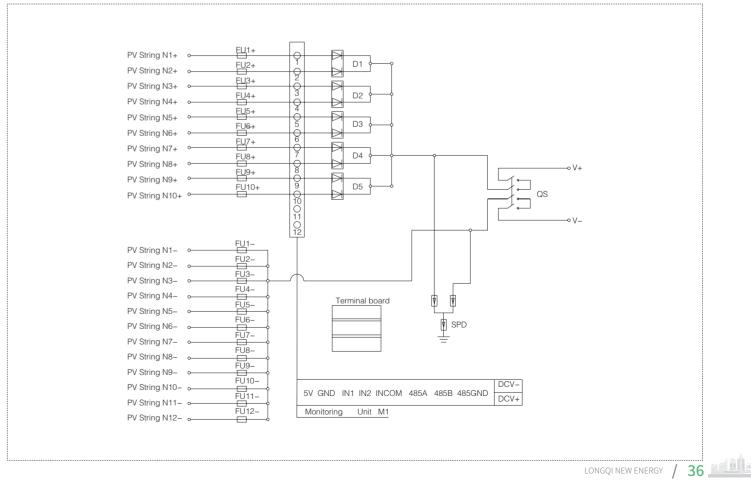
Design and configuration strictly accordance with the "Technical specification for photovoltaic junction equipment" CGC/GF 037:2014. Provide users with a safe, brief, beautiful and applicable photovoltaic system products.

The product adopts outdoor wall mounted type, which adapt to the harsh environment. In addition to the core components, the other can be customized by user requirements.

SCHEMATIC DIAGRAM



DIM ENSIONAL DRAWING(MM)



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Name	LQX F12/1 DC			
	Electric parameter			
System maximum dc voltage	1000 1500			
Maximum input current for each string	15A			
Maximum input strings	12			
Maximum output switch current	200A			
Number of inverter MPPT	N			
Number of Output strings	1			
	Lightning protection			
Category of test	II grade protection			
Nominal discharge current	20kA			
Maximum discharge current	40kA			
Voltage protection level	3.6kV 5.3kV			
Maximum continuous operating voltage Uc	1050V 1500V			
Poles	3P			
Structure characteristic	Plug-push module			
	System			
Protection grade	IP66			
Output switch	DC isolation switch(standard)/DC circuit breaker(optional)			
SMC4 Waterproof Connectors	Standard			
PV dc fuse	Standard			
PV surge protector	Standard			
Monitoring module	Optional			
Preventing diode	Optional			
Box material	Metal			
Installation method	Wall mounting type	Wall mounting type		
Operating Temperature	-25°C ~+55°C	-25°C ~+55°C		
Elevation of temperature	2km	2km		
Permissible relative humidity	0-95%,no condensation	0-95%,no condensation		

DESCRIPTION

LQX F12/1 DC PV combiner box bus synthetic DC input of 12 PV components to 1 output. Each channel is with a fuse. Output side is equipped with lightning protection and circuit breaker. It greatly simplify input wiring of DC power distribution cabinet and inverter. Realize lightning protection, short circuit protection and grounding protection. PV combiner box divided into two types: intelligent box and non-intelligent box. Intelligent PV combiner box is equipped with monitoring unit, then detect input current of each string, detect inside temperature, detect lightning protection status, detect circuit breaker status and summarize output voltage and so on.

Design and configuration strictly accordance with the "Technical specification for photovoltaic junction equipment" CGC/GF 037:2014. Provide users with a safe, brief, beautiful and applicable photovoltaic system products.

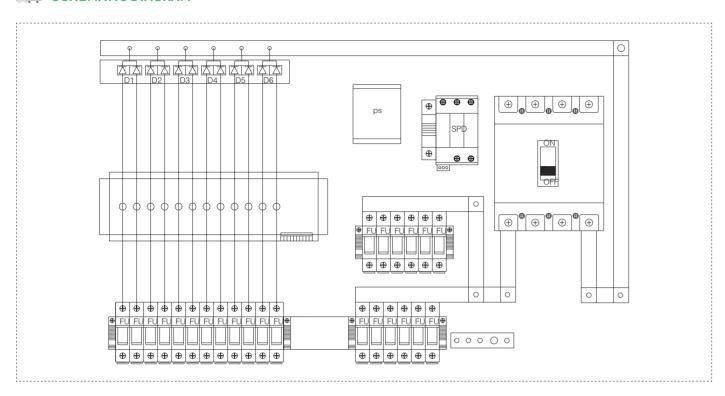
The product adopts outdoor wall mounted type, which adapt to the harsh environment. In addition to the core components, the other can be customized by user requirements.



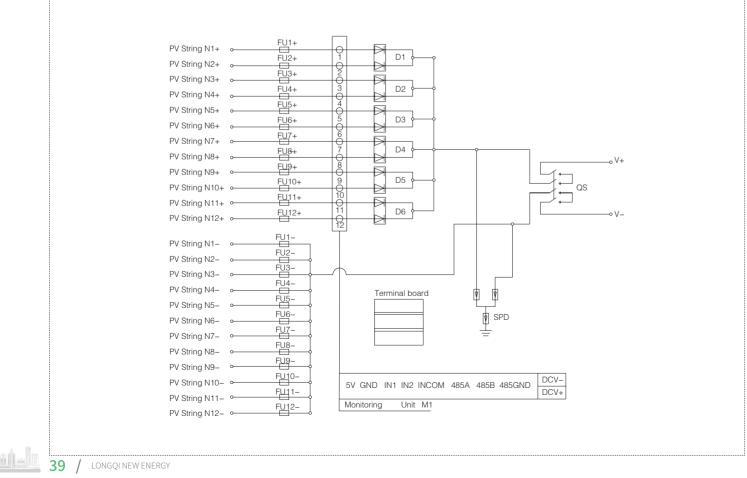




SCHEMATIC DIAGRAM



DIM ENSIONAL DRAWING (MM)

















Name	LQX F14/1 DC		
	Electric parameter		
System maximum dc voltage	1000 1500		
Maximum input current for each string	15A		
Maximum input strings	14		
Maximum output switch current	225A		
Number of inverter MPPT	N		
Number of Output strings	1		
	Lightning protection		
Category of test	II grade protection		
Nominal discharge current	20kA		
Maximum discharge current	40kA		
Voltage protection level	3.6kV 5.3kV		
Maximum continuous operating voltage Uc	1050V 1500V		
Poles	3P		
Structure characteristic	Plug-push module		
	System		
Protection grade	IP66		
Output switch	DC isolation switch(standard)/DC circuit breaker(optional)		
SMC4 Waterproof Connectors	Standard		
PV dc fuse	Standard		
PV surge protector	Standard		
Monitoring module	Optional		
Preventing diode	Optional		
Box material	Metal		
Installation method	Wall mounting type		
Operating Temperature	-25°C ~+55°C		
Elevation of temperature	2km		
Permissible relative humidity	0-95%,no condensation		

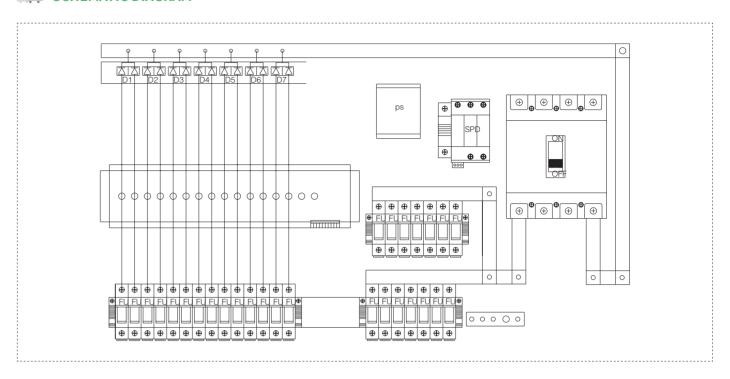
DESCRIPTION

LQX F14/1 DC PV combiner box bus synthetic DC input of 14 PV components to 1 output. Each channel is with a fuse. Output side is equipped with lightning protection and circuit breaker. It greatly simplify input wiring of DC power distribution cabinet and inverter. Realize lightning protection, short circuit protection and grounding protection. PV combiner box divided into two types: intelligent box and non-intelligent box. Intelligent PV combiner box is equipped with monitoring unit, then detect input current of each string, detect inside temperature, detect lightning protection status, detect circuit breaker status and summarize output voltage and so on.

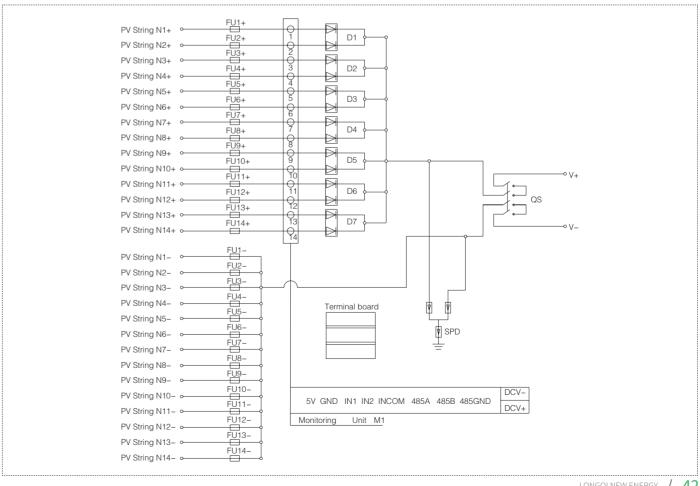
Design and configuration strictly accordance with the "Technical specification for photovoltaic junction equipment" CGC/GF 037:2014. Provide users with a safe, brief, beautiful and applicable photovoltaic system products.

The product adopts outdoor wall mounted type, which adapt to the harsh environment. In addition to the core components, the other can be customized by user requirements.

SCHEMATIC DIAGRAM



DIM ENSIONAL DRAWING(MM)



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Name	LQX F16/1 DC			
	Electric parameter			
System maximum dc voltage	1000	1500		
Maximum input current for each string	15A			
Maximum input strings	16			
Maximum output switch current	250A			
Number of inverter MPPT	N			
Number of Output strings	1			
	Lightning protection			
Category of test	II grade protection			
Nominal discharge current	20kA			
Maximum discharge current	40kA			
Voltage protection level	3.6kV	5.3kV		
Maximum continuous operating voltage Uc	1050V	1500V		
Poles	3P			
Structure characteristic	Plug-push module			
	System			
Protection grade	IP66			
Output switch	DC isolation switch(stand	lard)/DC circuit breaker(optional)		
SMC4 Waterproof Connectors	Standard			
PV dc fuse	Standard			
PV surge protector	Standard			
Monitoring module	Optional			
Preventing diode	Optional			
Box material	Metal			
Installation method	Wall mounting type			
Operating Temperature	-25°C ~+55°C	-25°C ~+55°C		
Elevation of temperature	2km	2km		
Permissible relative humidity	0-95%,no condensation	0-95%,no condensation		

DESCRIPTION

LQX F16/1 DC PV combiner box bus synthetic DC input of 16 PV components to 1 output. Each channel is with a fuse. Output side is equipped with lightning protection and circuit breaker. It greatly simplify input wiring of DC power distribution cabinet and inverter. Realize lightning protection, short circuit protection and grounding protection. PV combiner box divided into two types: intelligent box and non-intelligent box. Intelligent PV combiner box is equipped with monitoring unit, then detect input current of each string, detect inside temperature, detect lightning protection status, detect circuit breaker status and summarize output voltage and so on.

Design and configuration strictly accordance with the "Technical specification for photovoltaic junction equipment" CGC/GF 037:2014. Provide users with a safe, brief, beautiful and applicable photovoltaic system products.

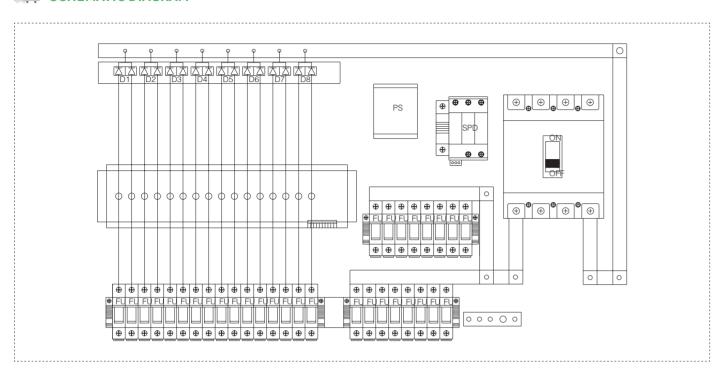
The product adopts outdoor wall mounted type, which adapt to the harsh environment. In addition to the core components, the other can be customized by user requirements.



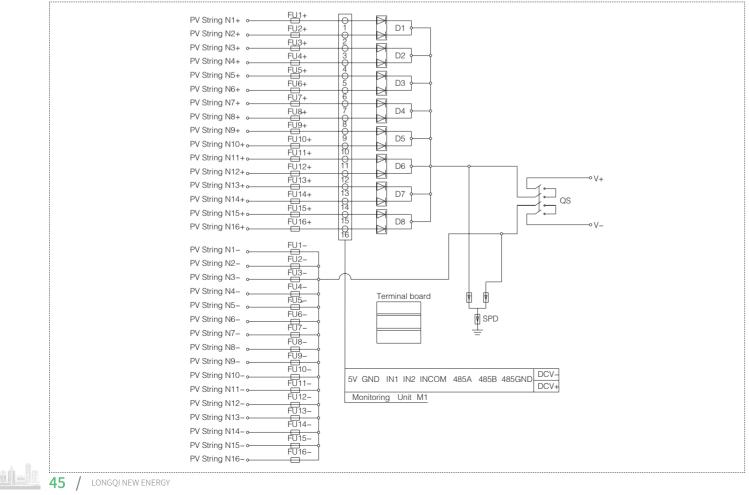




SCHEMATIC DIAGRAM



DIM ENSIONAL DRAWING(MM)







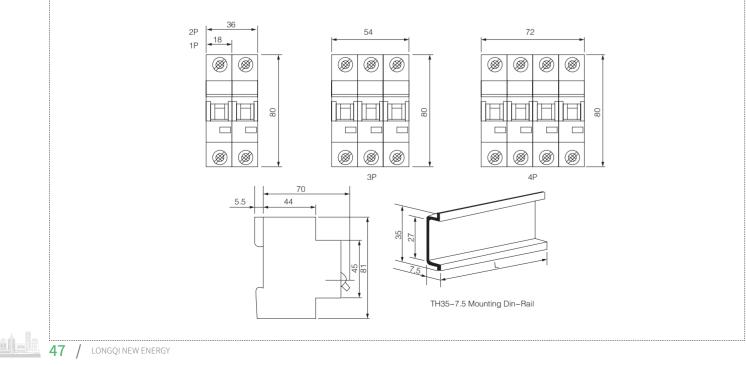






LQL7-PV Series Circuit Breaker		LQL7-PV				
Frame degree rated current (A)		63				
		Electrical p	erformance			
Ue Rated operating voltage (V DC)		1P: DC250V	/ 2P: DC550V 3P:	DC750V 4P: DC100)0V	
Rated Current In (A)		6-10-16-20-2	25-32-40-50-63			
Rated insulation voltage Ui (V DC)		1P: DC250V	/ 2P: DC550V 3P:	DC750V 4P: DC100)OV	
ated Impact voltage Uimp (kV)		4				
Ultimate breaking capacity lcu (kA	۸)	6	6	6	6	
Run breaking capacity lcs (%lcu)		75%	75%	75%	75%	
Curve type		С				
Trip type		Thermal-ma	ignetic			
	Actual average value	20000				
MECHANICAL	Standard value	8500				
FLECTRIC	Actual average value	2500				
ELECTRIC Standard value		1500				
		Control and indication				
Shunt release (SHT)		Option				
Undervoltage release (UNT)						
Auxiliary contact (AX)						
Alarm contact (AL)						
		Connection	and Installation			
Wiring capacity (mm²)		In ≤ 32A,1~	25mm²,1 ≥ 40A,10~	35mm²		
Ambient temperature (°C)		-20~70				
Altitude		≤ 2000				
Relative humidify		≤ 95%				
Pollution Level		3				
Installation Environment		No obvious shock and vibration				
Installation category		Class III				
Installation		DIN Standar	d rail			
Dimensions (W) \times (H) \times (Deep)	W	17.5	35	52.5	70	
	Н	80	80	80	80	
	Deep	71	71	71	71	
Weight (kg)		0.12	0.24	0.36	0.48	

Dimensions(mm)











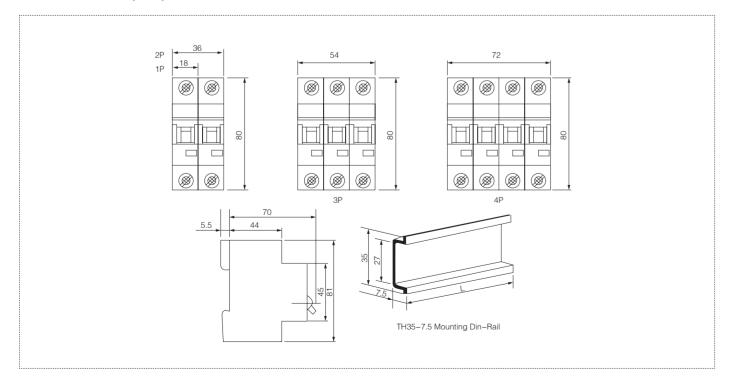






LQB1-63Z Series Circuit Breaker		LQB1-63Z				
Frame degree rated current (A)		63				
		Electrical performance				
Ue rated operating voltage (V DC)		1P: DC250	/ 2P: DC550V 3P:	DC750V 4P: DC100	00V	
Rated Current In (A)		6-10-16-20-	25-32-40-50-63			
Rated insulation voltage Ui (\	/ DC)	800V				
ated impact voltage Uimp (k\	/)	4				
Ultimate breaking capacity lo		6	6	6	6	
Run breaking capacity lcs (%	lcu)	75%	75%	75%	75%	
Curve type		С				
Trip type		Thermal-ma	agnetic			
	Actual average value	20000				
Mechanical	Standard value	8500				
El . :	Actual average value	2500				
Electric	Standard value	1500				
		Control and	indication			
Shunt release (SHT)		Option				
Undervoltage release (UNT)						
Auxiliary contact (AX)						
Alarm contact (AL)						
		Connection and installation				
Wiring capacity (mm²)		In ≤ 32A,1~25mm²,1 ≥ 40A,10~35mm²				
Ambient temperature (°C)		-20-70				
Altitude		≤ 2000				
Relative humidify		≤ 95%				
Pollution level		3				
Installation environment		No obvious shock and vibration				
Installation category		Class III				
Installation		DIN Standard rail				

Dimensions(mm)





DC Breaker Non-Polarity

- Reliable protection at high ambient temperatures
- Loadable:string protection up to

125 size: 63A, 80A, 100A, 125A

250 size: 160A, 200A, 225A, 250A

400 size: 315A, 400A

- Tested:Ultimate short circuit breaking capacity Icu of 25kA according to IEC IEC60947-2
- Fast: DC molded case circuit breakers effectively prevent arc faults and melting.
- Safe:DC molded case circuit breakers feature fast and accurate circuit interruption, short circuit protection, and adjustment functions, with good circuit interruption and short circuit









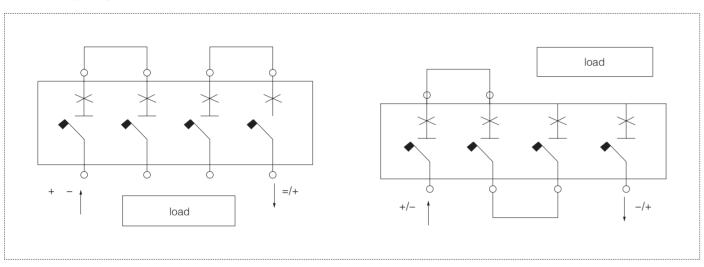




Specifications

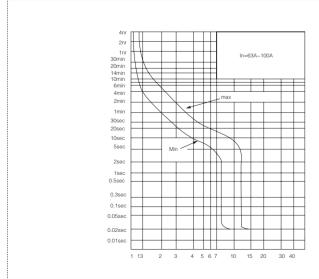
Rated Current In (A)	125:63A,80A,100A,125A; 250:160A,200A,225A,250A; 400: 315A,400A
Ue Rated operating voltage (VDC)	1P: DC250V 2P: DC500V 3P: DC750V 4P: DC1000V
Rated insulation voltage Ui (VDC)	DC1000V
Rated Impact voltage Uimp (kV)	8KV
Ultimate breaking capacity lcu (kV)	25KV
Trip type	Thermal-magnetic
Ambient temperature(°C)	-20°C∼ 70°C
Alfifude	2000M
Instalation	Fixed,plug-in
Accessories	Auxiliary ,Alarm,Shunt release Manually operated and electric operation

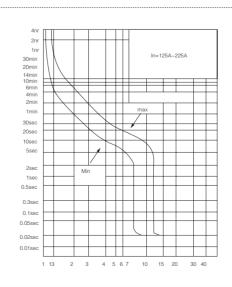
Wiring diagram



- Protection and Isolation wiring
- The load should be ≤ DC1000V The connection considered for anetwork in which the middle point of the supply source is earthed In this case the breaker protects and isolates the load

- Protection and Isolation wiring
- The load should be \leq DC 1000V The Negative pole (-) could be earthed, butin both cases the breaker protects and isolates the load





LD-40 PV

DC Surge Protective Device plays a crucial role in quickly and effectively protecting equipment in the event of overvoltage in DC circuits, preventing equipment damage and ensuring the safe operation of electronic and electrical devices.

- Prevents electric shock caused by electrostatic discharge.
- Protects electrical equipment from overvoltage damage.
- Prevents fires caused by static electricity accumulation.
- Suppresses interference caused by lightning strikes and induced lightning.

The green and red visual indicator flags show the module protective status (green =good, red = replace).











Specifications

LD-40 Surge protector	LD-40			1	
PVDC - specific	EN50539-11				
Pole	2P	2P	3P	3P	2P (COSTOMIZED)
Electrical parameter	/	/	/	/	/
Classified test		П	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
Imax (8/20)us (kA)	40	40	40	40	40
Up(kV)	2.0	2.5	3.8	5.3	2.0

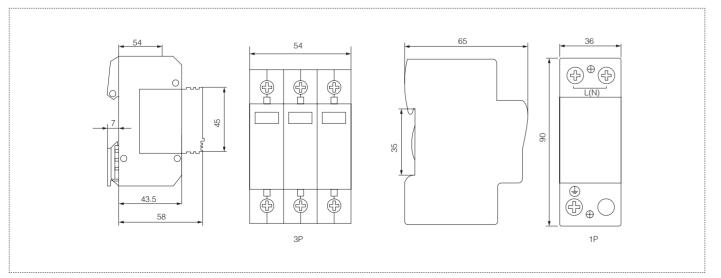
Remote Signal Contact

"Remote signal contact"	Maximum working voltage (V)	250VAC/30VDC	250VAC /30VDC
	Maximum working current (A) IA (250V/AC)	IA (250V/AC)	IA(250V/AC)
	1A (30V DC)	IA(30V/AC)	IA(30V/AC)

Installation and Dimensions

Wising an active (man)	Hard wire	4~25	4~25
Wiring capacity (mm)	Flexible wire	4~16	4~16
Stripping length (mm)		10	10
Terminals crcwa		M5	M5
Tarqua (Niga)	Main circuit	3.5	3.5
Torque (Nm)	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°C ~+70°C	-30°C ~+70°C
Relative humidity		30%~90 %	30%~90 %
How to install		Installed with H 35-7.5/DIN35 steel mounting rail	

Dimensions(mm)



LQPV-1038(LQPV-32)

DC fuses for overcurrent protection in solar photovoltaic systems

This series of fuses is suitable for circuits with rated DC voltage up to 1000V and rated current up to 30A. They are connected in series and parallel with photovoltaic panels and batteries to provide short-circuit breaking protection for charging and converting systems; Simultaneously, for photovoltaic power plants, combiner inverter rectification systems, and short-circuit fault breaking protection; And for the rapid breaking protection of surge current and short-circuit fault overvoltage in photovoltaic power generation systems, with a rated breaking capacity of 20KA. Our company is currently conducting relevant tests to further improve the breaking capacity of the product. The product complies with the provisions of the International Electrotechnical Commission standard IEC60269.

















Operational condition

The upper limit of ambient air temperature shall not exceed 90 °C; The lower limit of ambient air temperature shall not be less than -40 °C; The elevation of the installation site should not exceed 2000m (if it is to exceed this 2000m, the requirements need to be specified, and our company can design and develop according to customer requirements).

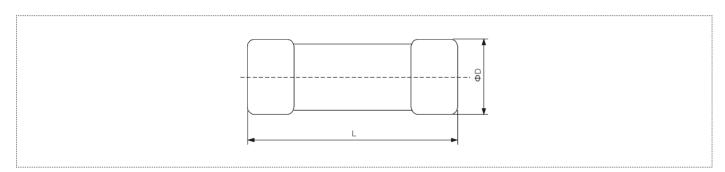
Utilization category

"gPV" refers to a DC fuse with full range breaking capacity used for overcurrent protection in solar photovoltaic systems.

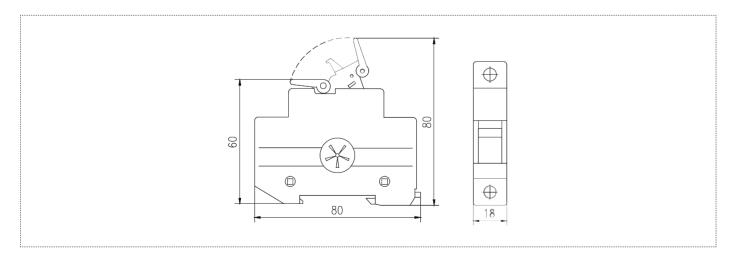
Structural characteristics

The variable cross-section melt made of pure silver sheets is encapsulated in a melt tube made of high-strength porcelain. The melt tube is filled with chemically treated high-purity quartz sand and specially treated chemical materials as the arc extinguishing medium. The two ends of the melt are firmly connected to the contact through spot welding.

Main technical parameters



Model of fuse link gPV	rated voltage (V)	Rated current(A)	Overall dimensions (mm) Drawing No D×L	
LQPV-1038	DC1000V	2、3、4、5、6、8、10、12、15、20、25、30	1 10.3±0.1×38±0.6	≤ 4.5



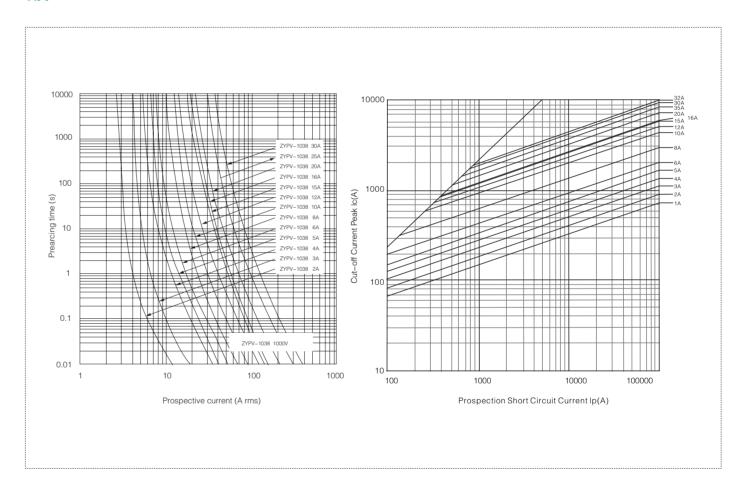
Fusa haldar madal Fusa siza	roto di volto do Vido	Data day was at (A)	Overall dimensions (mm)							
	Fuse holder model	Fuse size	rated voltage vuc	Rateu Current (A)	Drawing No	A1	A2	В	H1	H2
	LQPV-32 Base	10×38	1000	32	2	Drawing N	lo2		***************************************	

Test method

"gPV" Fuse holder Agreed time, agreed current

"gPV" Rated current	h	agreed current		
A		Inf	If	
In ≤ 63	1	1.13ln	1.45ln	
63 < In ≤ 160	2			
160 < In ≤ 400	3			
In > 400	4			

Characteristics Curve:





LQPV-1085

This series of fuses is suitable for circuits with rated DC voltage up to 1500V and rated current up to 63A. They are connected in series and parallel with photovoltaic panels and batteries to provide short-circuit breaking protection for charging and converting systems; Simultaneously, for photovoltaic power plants, combiner inverter rectification systems, and short-circuit fault breaking protection; And for the rapid breaking protection of surge current and short-circuit fault overvoltage in photovoltaic power generation systems, with a rated breaking capacity of 20KA. Our company is currently conducting relevant tests to further improve the breaking capacity of the product. The product complies with the provisions of the International Electrotechnical Commission









Operational condition

The upper limit of ambient air temperature shall not exceed 90 °C; The lower limit of ambient air temperature shall not be less than -40 °C; The elevation of the installation site should not exceed 2000m (if it is to exceed this 2000m, the requirements need to be specified, and our company can design and develop according to customer requirements).

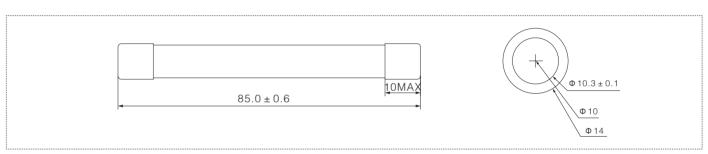
Utilization category

"gPV" refers to a DC fuse with full range breaking capacity used for overcurrent protection in solar photovoltaic systems.

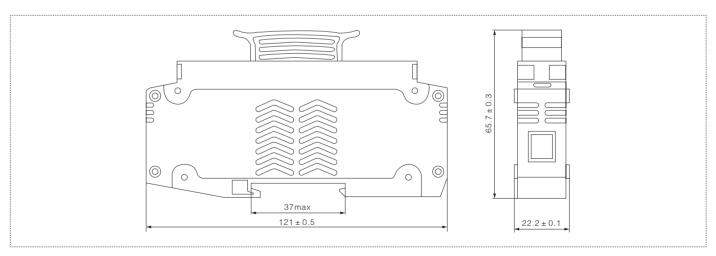
Structural characteristics

The variable cross-section melt made of pure silver sheets is encapsulated in a melt tube made of high-strength porcelain. The melt tube is filled with chemically treated high-purity quartz sand and specially treated chemical materials as the arc extinguishing medium. The two ends of the melt are firmly connected to the contact through spot welding.

Main technical parameters



Model of fuse link	rated voltage(V)	Patad current(A)	Overall dimensions (mm)		
gPV		Rated Current(A)	Drawing No		
LQPV1085	DC1500V	230	1	Drawing No1.2	
LQPV1485	DC1500V	850	2		



Model of fuse link	LICO CIZO	rated voltageVdc		Overall dimensions (mm)		
Model of fuse lifts	use size	Ü		Drawing No		
LQPV-1085	10×85	1500	50	2	Drawing No 3	
Base	14×85			50	3	





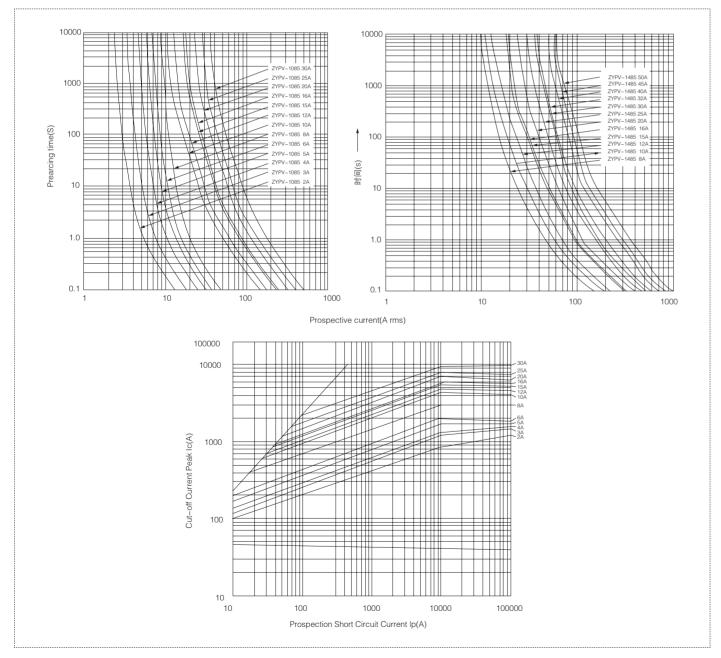


Test method

"gPV" Fuse holder Agreed time, agreed current

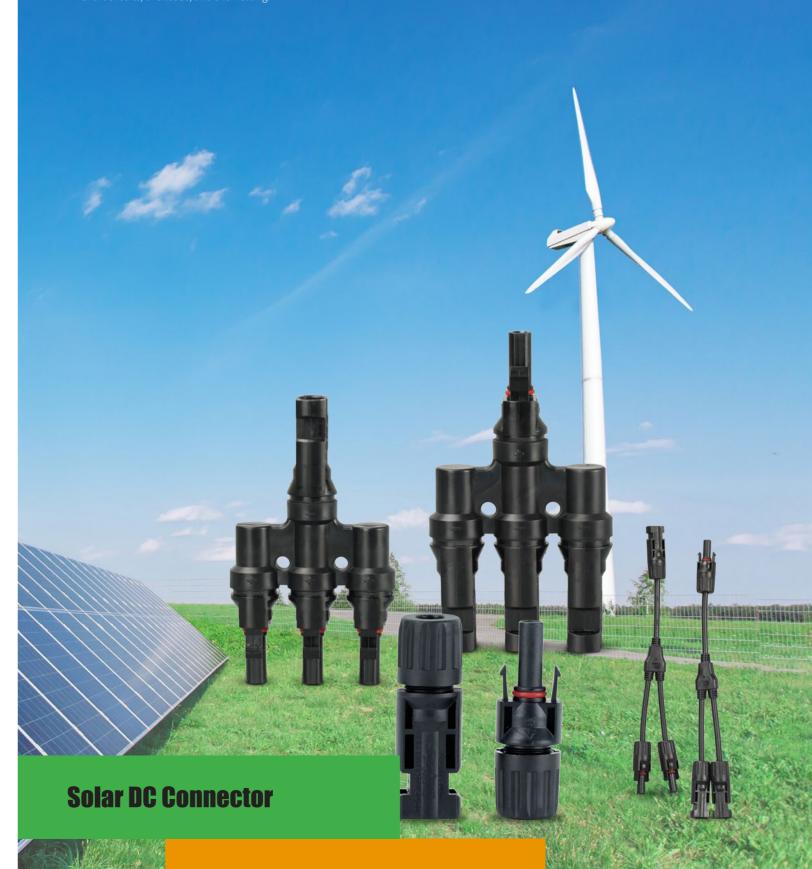
"gPV" Rated current	h	agreed current		
A		Inf	lf	
In ≤ 63	1	1.13ln	1.45ln	
63 < In ≤ 160	2			
160 < In ≤ 400	3			
In > 400	4			

Characteristics Curve:





- They have low contact resistance and high reliability.
- solar connectors prevent the leakage of harmful substances and do not cause
- They effectively reduce losses in the wiring harness and improve system efficiency.
- They have comprehensive safety features that effectively prevent hazards such as















Solar DC Connector

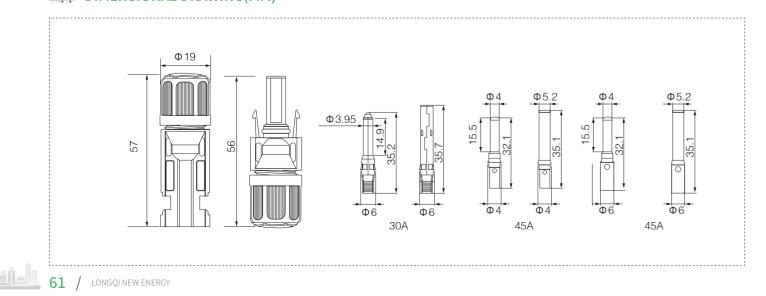
PV-30A(1000V) PV-45A(1000V)



TECHNICAL DATA

Connector system	Φ2.5mm; Φ4mm; Φ6mm
Rated voltage	1000V DC
Rated current	30A(2.5mm²;4mm²; 6mm²; 14AWG; 12AWG; 10AWG) 45A(4mm²; 6mm²; 12AWG; 10AWG)
Test voltage	6kV(50HZ,1min.)
Ambient temperature range	-40°C+90°C (IEC) -40°C+75°C (UL)
Upper limiting temper ature	+105°C (IEC)
Degree of protection,mated	IP67
unmated	IP2X
Comtact resistanceof plug connectors	0.5mΩ
Safetyclass	
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

DIMENSIONAL DRAWING(MM)



Solar DC Connector

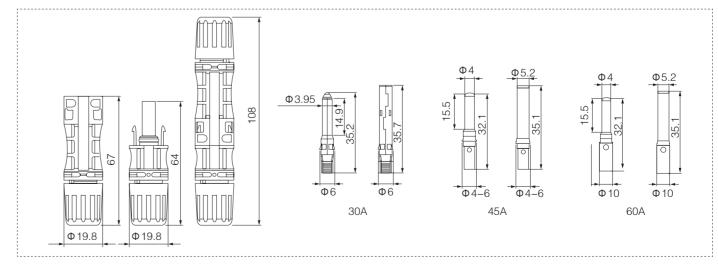
PV-30A(1500V) PV-45A(1500V) PV-60A(1500V)



TECHNICAL DATA

Connector system	Φ2.5mm; Φ4mm; Φ6mm; Φ10mm
Rated voltage	1500V DC
Rated current	30A(2.5mm²;4mm²; 6mm²; 14AWG; 12AWG; 10AWG) 45A(4mm²; 6mm²; 12AWG;10AWG) 60A(10mm²; 8AWG)
Test voltage	6kV(50HZ,1min.)
Ambient temperature range	-40°C+90°C (IEC) -40°C+75°C (UL)
Upper limiting temper ature	+105°C (IEC)
Degree of protection,mated	IP67
unmated	IP2X
Comtact resistanceof plug connectors	0.5mΩ
Safetyclass	II II
Contact material	Messing,verzinnt Copper Alloy,tin plated
Insulation material	PC/PV
Locking system	Snap-in
Flame class	UL-94-V0
Salt mist spray test, degree of severity 5	IEC 60068-2-52

DIMENSIONAL DRAWING(MM)



LONGQI NEW ENERGY / 62











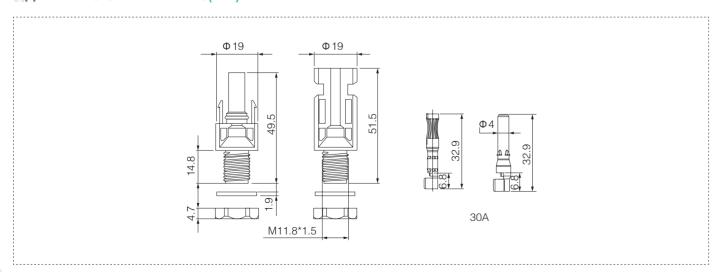
Solar DC Connector PV-30A(1000V)-BD



TECHNICAL DATA

Connector system	Ф2.5mm; Ф4mm; Ф6mm; Ф10mm
Rated voltage	1000V DC
Rated current	30A(2.5mm²;4mm²; 6mm²; 14AWG; 12AWG; 10AWG) 45A(4mm²; 6mm²; 12AWG; 10AWG)
Test voltage	6kV(50HZ,1min.)
Ambient temperature range	-40°C+90°C (IEC) -40°C+75°C (UL)
Upper limiting temper ature	+105°C (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

DIMENSIONAL DRAWING(MM)



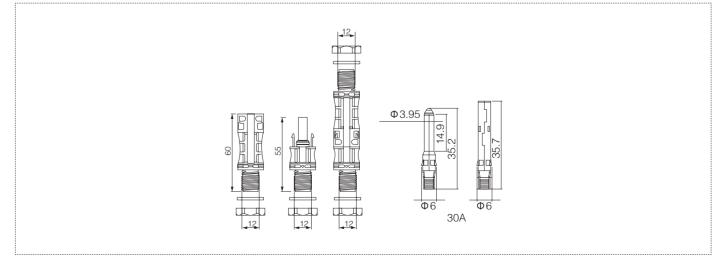
Solar DC Connector PV-30A(1500V)-BD



TECHNICAL DATA

Connector system	Ф2.5mm; Ф4mm; Ф6mm; Ф10mm
Rated voltage	1000V DC
Rated current	30A(2.5mm²;4mm²; 6mm²; 14AWG; 12AWG; 10AWG)
Test voltage	6kV(50HZ,1min.)
Ambient temperature range	-40°C+90°C (IEC) -40°C+75°C (UL)
Upper limiting temper ature	+105°C (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-V0
Salt mist spray test, degree of severity 5	IEC 60068-2-52

DIMENSIONAL DRAWING(MM)













Solar DC Connector PV-30A(1000V)-FUSE





TECHNICAL DATA

Connector system	Ф4mm
Rated voltage	1000V DC
Rated current	10A 15A 20A 25A 30A
Test voltage	6kV(50HZ,1min.)
Ambient temperature range	-40°C+90°C (IEC)
Upper limiting temper ature	+105°C (IEC)
Degree of protection,mated	IP67
unmated	IP2X
Comtact resistanceof plug connectors	0.5mΩ
Safetyclass	
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

DIMENSIONAL DRAWING(MM)



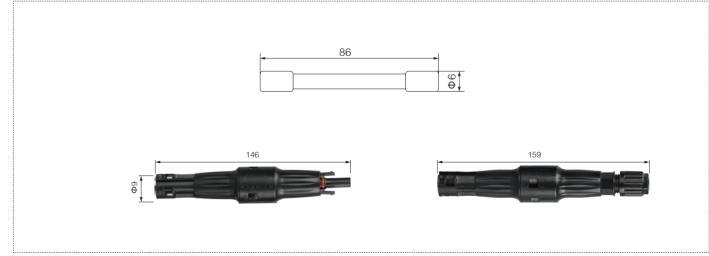
Solar DC Connector PV-30A(1500V)-FUSE



TECHNICAL DATA

Connector system	Φ4mm
Rated voltage	1500V DC
Rated current	10A 15A 20A 25A 30A
Test voltage	6kV(50HZ,1min.)
Ambient temperature range	-40°C+90°C (IEC) -40°C+75°C (UL)
Upper limiting temper ature	+105°C (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

DIMENSIONAL DRAWING(MM)













Solar DC Connector PV-30A(1000V)-diode



TECHNICAL DATA

Connector system	Ф4mm
Rated voltage	1000V DC
Rated current	10A 15A 20A 30A
Test voltage	6kV(50HZ,1min.)
Ambient temperature range	-40°C+90°C (IEC)
Upper limiting temper ature	+105°C (IEC)
Degree of protection,mated	IP67
unmated	IP2X
Comtact resistanceof plug connectors	0.5mΩ
Safetyclass	II 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

DIMENSIONAL DRAWING(MM)



Solar DC Connector

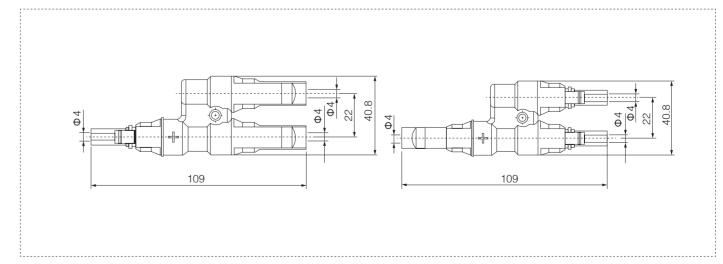
PV-T3



TECHNICAL DATA

Insulation Material	PPO
Contact Material	Copper,Tin plated
Suitable Current	50A
Rated Voltage	1000V DC
Test Voltage	6KV(TUV50HZ,1min)
Contact Resistance	<0.5mΩ
Degree Of Protection	IP67
Ambient Temperature Range	-40°C ~+85°C
Flame Class	UL94-VO
Safety Class	II
Pin Dimensions	Ф4mm

DIMENSIONAL DRAWING(MM)













Solar DC Connector

PV-T4

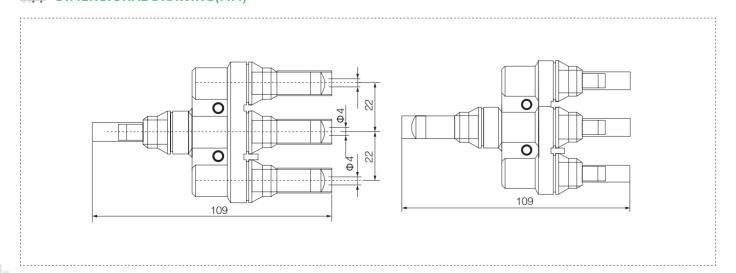




TECHNICAL DATA

Insulation Material	PPO
Contact Material	Copper,Tin plated
Suitable Current	50A
Rated Voltage	1000V DC
Test Voltage	6KV(TUV50HZ,1min)
Contact Resistance	<0.5mΩ
Degree Of Protection	IP67
Ambient Temperature Range	-40°C ~+85°C
Flame Class	UL94-VO
Safety Class	II
Pin Dimensions	Ф4mm

DIMENSIONAL DRAWING(MM)



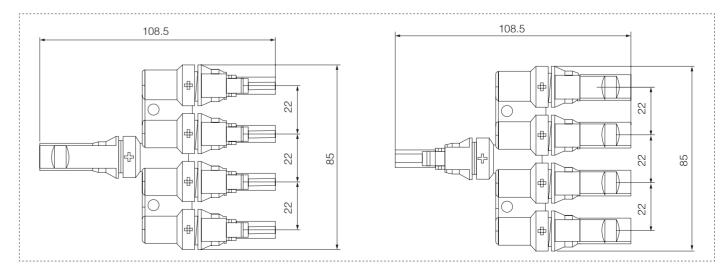
Solar DC Connector PV-T5



TECHNICAL DATA

Insulation Material	PPO
Contact Material	Copper,Tin plated
Suitable Current	50A
Rated Voltage	1000V DC
Test Voltage	6KV(TUV50HZ,1min)
Contact Resistance	<0.5mΩ
Degree Of Protection	IP67
Ambient Temperature Range	-40°C ~+85°C
Flame Class	UL94-VO
Safety Class	П
Pin Dimensions	Ф4mm

DIMENSIONAL DRAWING(MM)













Solar DC Connector

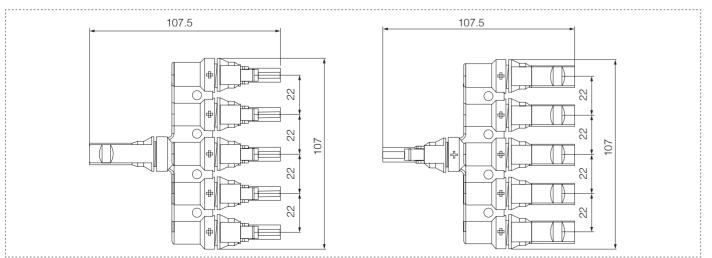
PV-T6



TECHNICAL DATA

Insulation Material	PPO
Contact Material	Copper,Tin plated
Suitable Current	50A
Rated Voltage	1000V DC
Test Voltage	6KV(TUV50HZ,1min)
Contact Resistance	<0.5mΩ
Degree Of Protection	IP67
Ambient Temperature Range	-40°C ~+85°C
Flame Class	UL 94-VO
Safety Class	Ш
Pin Dimensions	Ф4mm

DIMENSIONAL DRAWING(MM)



Solar DC Connector

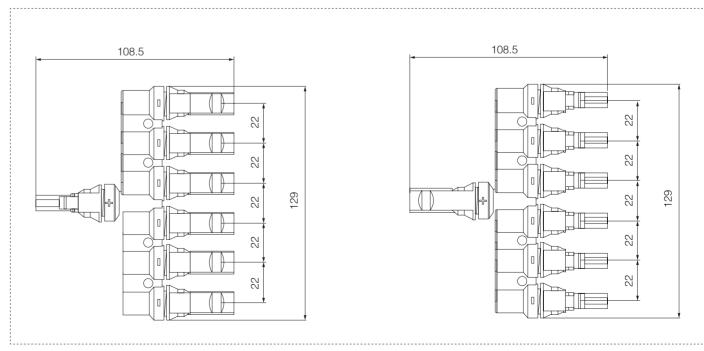
PV-T7



TECHNICAL DATA

Insulation Material	PPO
Contact Material	Copper,Tin plated
Suitable Current	50A
Rated Voltage	1000V DC
Test Voltage	6KV(TUV50HZ,1min)
Contact Resistance	<0.5mΩ
Degree Of Protection	IP67
Ambient Temperature Range	-40°C ~+85°C
Flame Class	UL 94-VO
Safety Class	II II
Pin Dimensions	Ф4mm

DIMENSIONAL DRAWING(MM)













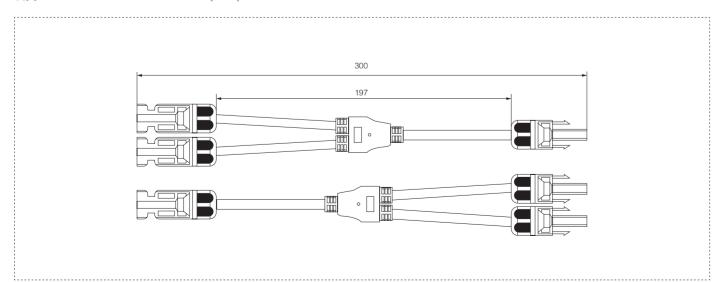
Branch Cable PV-Y3



TECHNICAL DATA

Connector system	Ф4mm; Ф6mm
Rated voltage	1000V DC
Rated current	30A
Test voltage	6kV(50HZ, 1min.)
Ambient temperature range	-40°+90°C (IEC) -40°C+75°C (UL)
Upper limiting temper ature	+105°C (IEC)
Degree of protection,mated	IP67
Unmated	IP2X
Comtact resistanceof plug connectors	0.5mΩ
Safetyclass	П
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

DIMENSIONAL DRAWING(MM)



Branch Cable

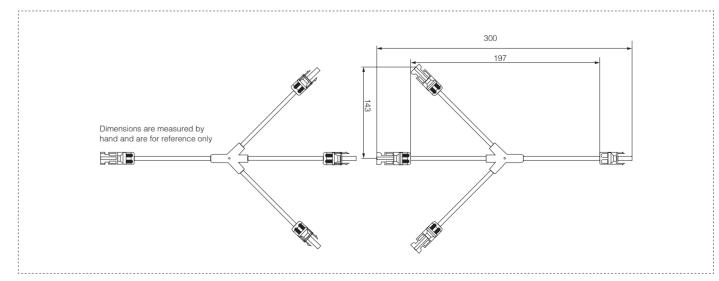
PV-Y4



TECHNICAL DATA

Connector system	Ф4mm; Ф6mm
Rated voltage	1000V DC
Rated current	30A
Test voltage	6kV(50HZ,1min.)
Ambient temperature range	-40°+90°C (IEC) -40°+75°C (UL)
Upper limiting temper ature	+105°C (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

DIMENSIONAL DRAWING(MM)













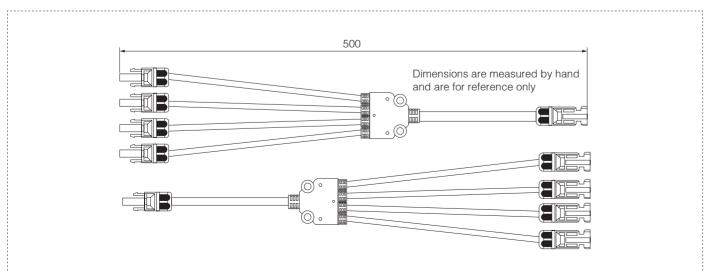
Branch Cable PV-Y5



TECHNICAL DATA

Connector system	Ф4mm; Ф6mm
Rated voltage	1000V DC
Rated current	30A
Test voltage	6kV(50HZ,1min.)
Ambient temperature range	-40°+90°C (IEC) -40°C+75°C (UL)
Upper limiting temper ature	+105°C (IEC)
Degree of protection,mated	IP67
Unmated	IP2X
Comtact resistanceof plug connectors	0.5mΩ
Safetyclass	
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

DIMENSIONAL DRAWING(MM)



SPECIAL WRENCH

