GYPV/1-1 DC

Combiner Box

Overview

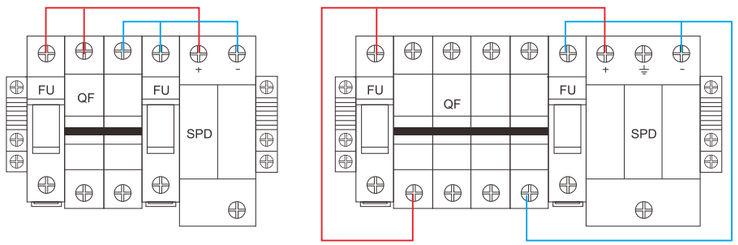
High reliability
With DC FUSE
With DC Surge Protection Device
With DC Circuit breaker or DC load isolation switch.

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 modifed.

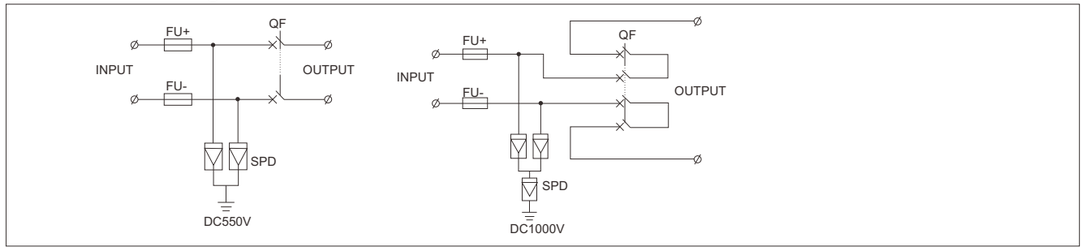
Description

GYPV/1-1 combiner box is suitable for inverter (MAX input voltage DC550V /DC1000V, 1 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, brief, beautiful and applicable photovoltaic system products.



DC 550V DC 1000V

Data

Electric parameter		
System maximum dc voltage	550	1000
Maximum input current for each string	15A	
Maximum input strings	1	
Maximum output switch current	16A/20A	
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	2.5kV	3.8kV
Maximum continuous operating voltage Uc	630V	1050V
Poles	2P	3P
Structure characteristic	Plug-push module	
System		
Protection grade	IP65	
Output switch	DC isolation switch (standard)/DC circuit breaker(optional)	
MC4R 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℃ ~+55℃	
Elevation of temperature	2km	
Permissible relative humidity	0-95%, no condensation	
Mechanical parameter		
Width x High x Depth(mm)	300 x 260 x140	

Schematic diagram