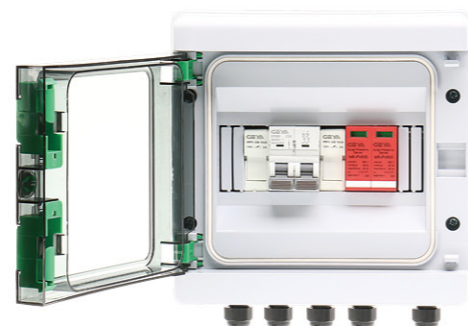


# GYPV/1-1 DC COMBINER BOX



## 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 modified.

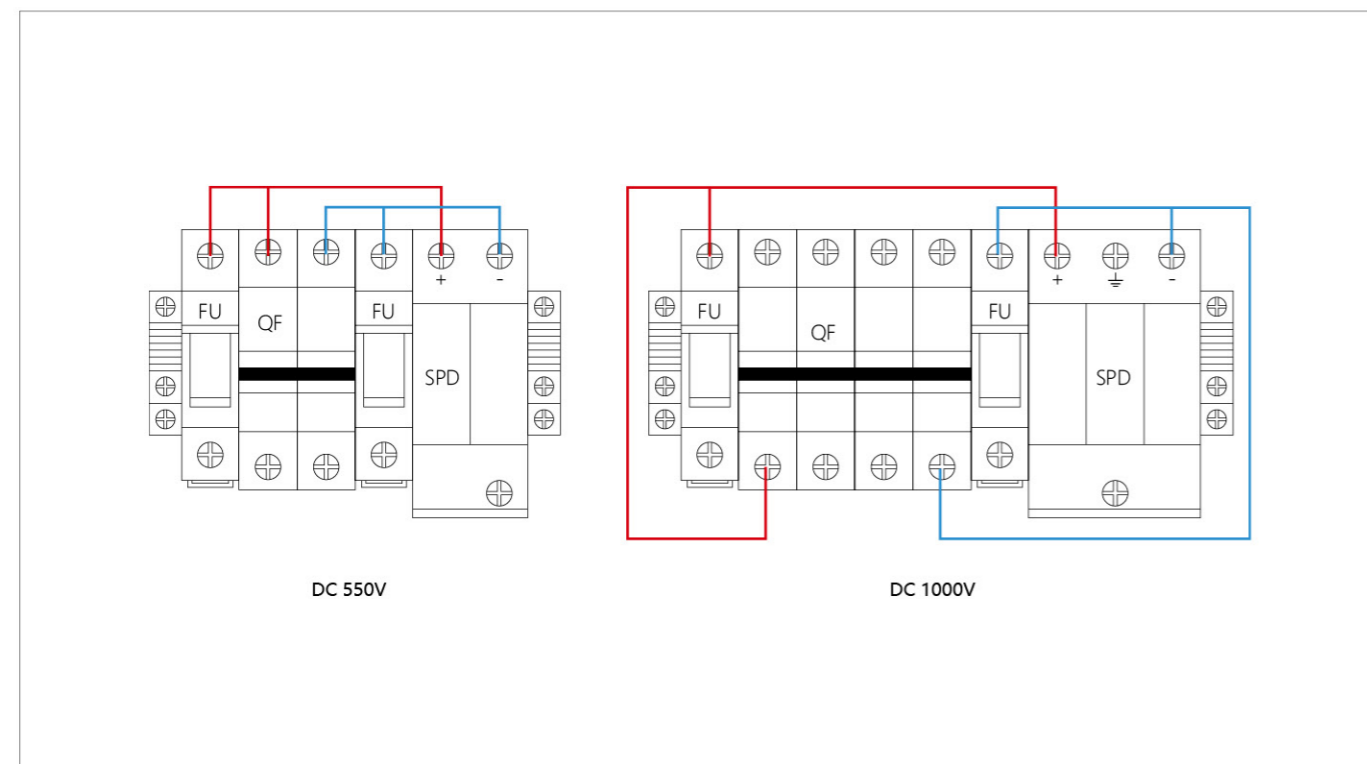


## DESCRIPTION

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.

## WIRING MODE



## TECHNICAL PARAMETERS

Name		GYPV/1-1	
<b>Electric parameter</b>			
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		
<b>Lightning protection</b>			
Category of test	II grade protection		
Nominal discharge current	20kA		
Maximum discharge current	40kA		
Voltage protection level	2.8kV	3.8kV	
Maximum continuous operating voltage U <sub>c</sub>	630V	1050V	
Poles	2P	3P	
Structure characteristic	Plug-push module		
<b>System</b>			
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°C ~ +55°C		
Elevation of temperature	2km		
Permissible relative humidity	0-95% , no condensation		
<b>Mechanical parameter</b>			
Width×High×Depth ( mm )	300×260×140		

## SCHEMATIC DIAGRAM

