GYPV/1-1 DC
Combiner Box

Overview

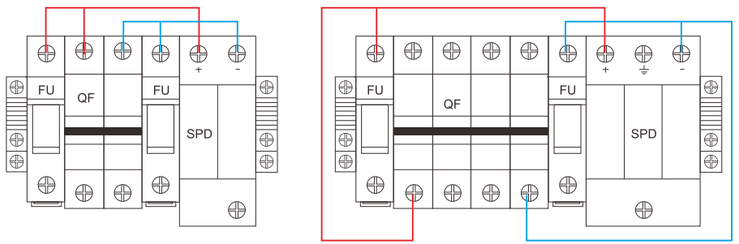
High reliability
With DC FUSE
With DC Surge Protection Device
With DC Circuit breaker or DC load isolation switch.

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

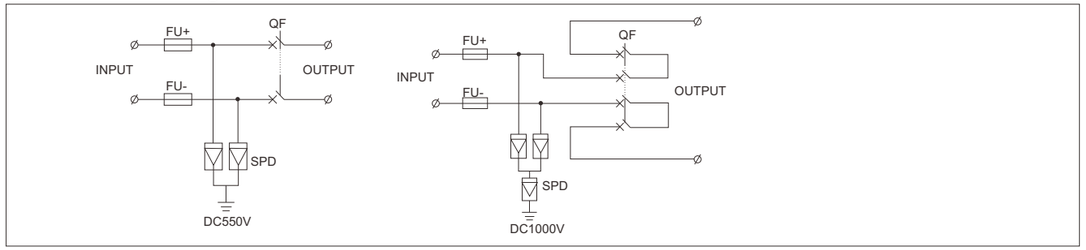
GYPV/1-1 combiner box is suitable for inverter (MAX input voltage DC550V /DC1000V, 1 PV input channel, 1 output channel, single MPPT inverter). Box body is made of PVC engineering materials, with test for fire retardant, temperature rise, anti impact, anti ultraviolet, and other testing. IP65 protection 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.



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



GYPV/2-1 DC

Combiner Box

Overview

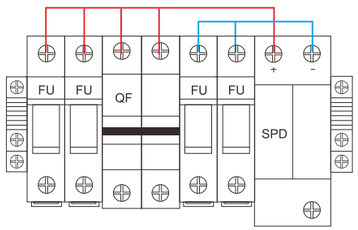
High reliability
With DC FUSE
With DC Surge Protection Device
With DC Circuit breaker or DC load isolation switch.

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.

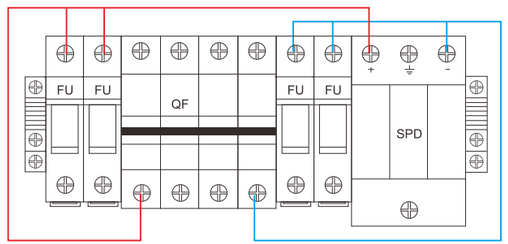
Flexible configuration
Used for single crystal silicon solar modules, polycrystalline silicon solar modules, thin film solar modules. Current rating of the photovoltaic fuse, circuit breaker, load isolation switch is modifed.

Description

GYPV/2-1 combiner box is suitable for inverter (MAX input voltage DC550V /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. Provide users with a safe, brief, beautiful and applicable photovoltaic system products.



DC 550V

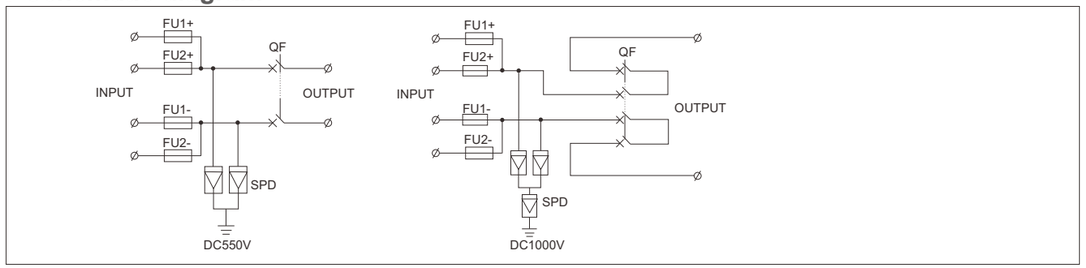


DC 1000V

Data

Electric parameter		
System maximum dc voltage	550	1000
Maximum input current for each string	15A	
Maximum input strings	1	
Maximum output switch current	20A/32A	
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



GYPV/4-1 DC
Combiner Box

Overview

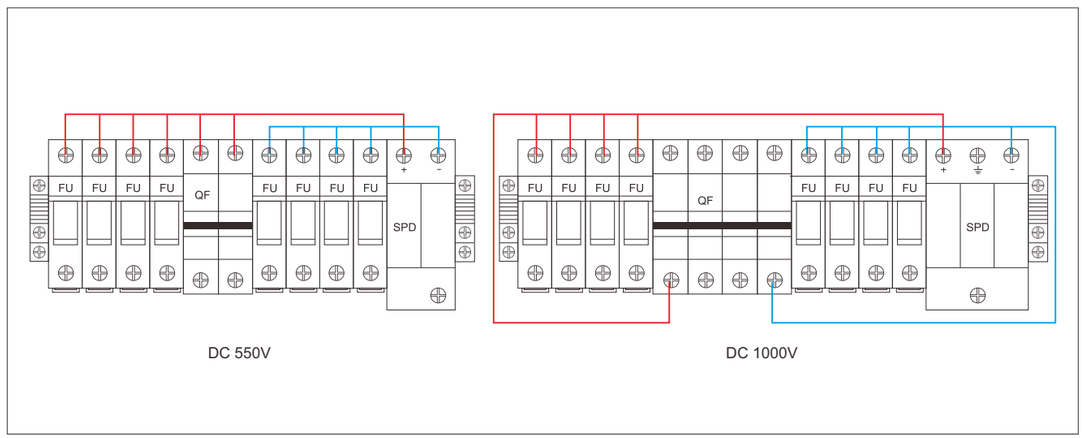
High reliability
With DC FUSE
With DC Surge Protection Device
With DC Circuit breaker or DC load isolation switch.

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

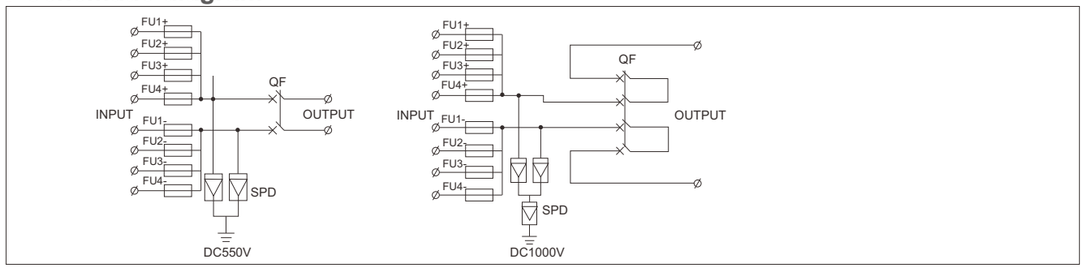
GYPV/4-1 combiner box is suitable for inverter (MAX input voltage DC550V /DC1000V, 4 PV input channel, 1 output channel, single MPPT inverter). Box body is made of PVC engineering materials, with test for fire retardant, temperature rise, anti impact, anti ultraviolet, and other testing. IP65 protection grade.
Design and configuration strictly accordance with the “Technical specification for photovoltaic junction equipment” CGC/GF 037:2014. Provide users with a safe, brief, beautiful and applicable photovoltaic system products.



Data

Electric parameter		
System maximum dc voltage	550	1000
Maximum input current for each string	15A	
Maximum input strings	4	
Maximum output switch current	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	2.8kV	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)	410 x 285 x140	

Schematic diagram



GYPV/6-1 DC
Combiner Box

Overview

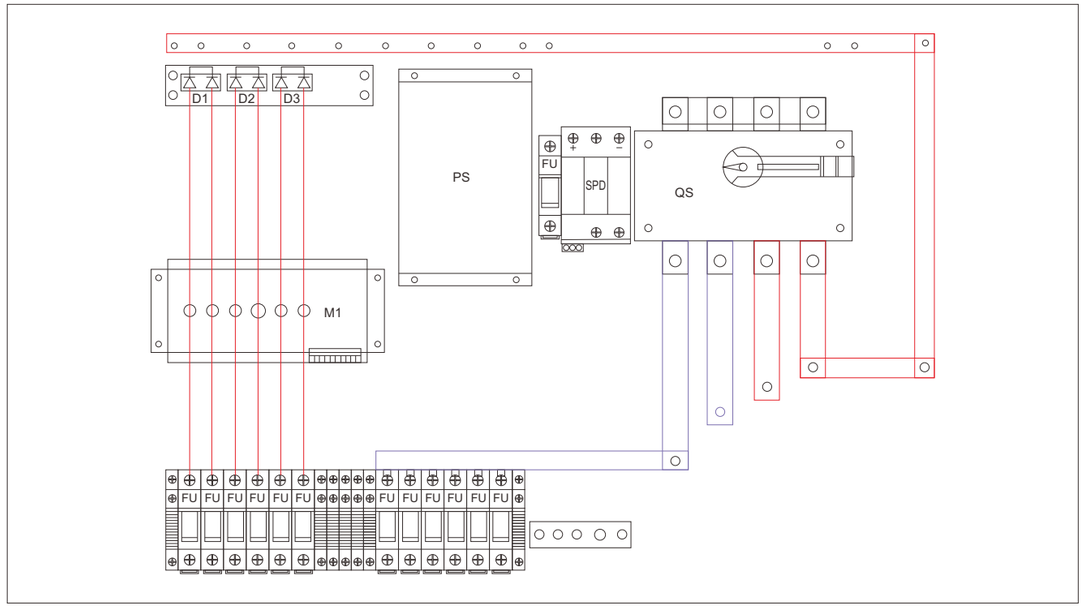
High reliability
With DC FUSE
With DC Surge Protection Device
With DC Circuit breaker or DC load isolation switch.

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

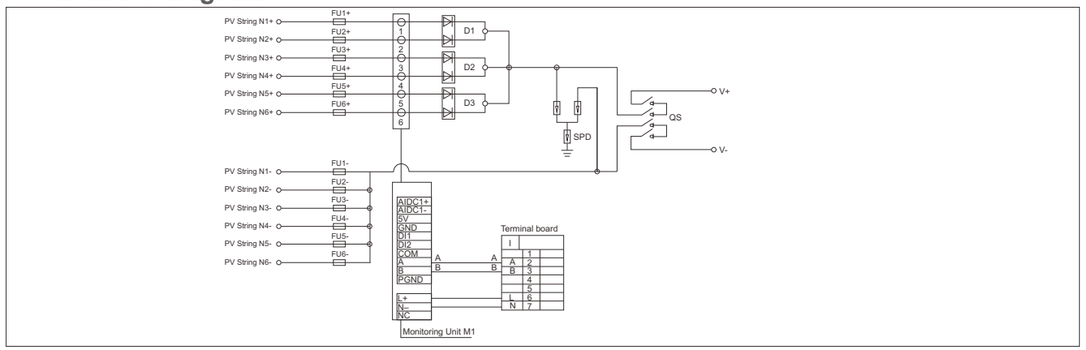
GYPV/6-1 PV combiner box bus synthetic DC input of 6 PV components to 1 output. Each channel is with a fuse. Output side is equipped with lightning protection and circuit breaker. It greatly simplify input wiring of DC power distribution cabinet and inverter. Realize lightning protection, short circuit 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.
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.

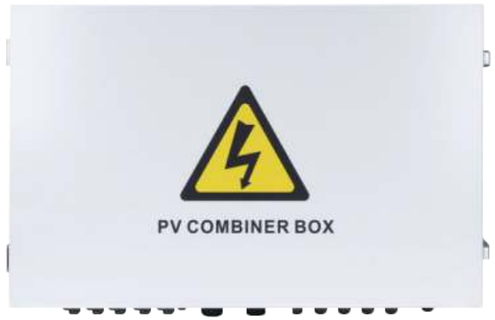


Data

Electric parameter	
System maximum dc voltage	1000
Maximum input current for each string	15A
Maximum input strings	6
Maximum output switch current	80A/90A
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	3.8kV
Maximum continuous operating voltage Uc	1050V
Poles	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)	440 x 400 x180

Schematic diagram





GYPV/8-1 DC
Combiner Box

Overview

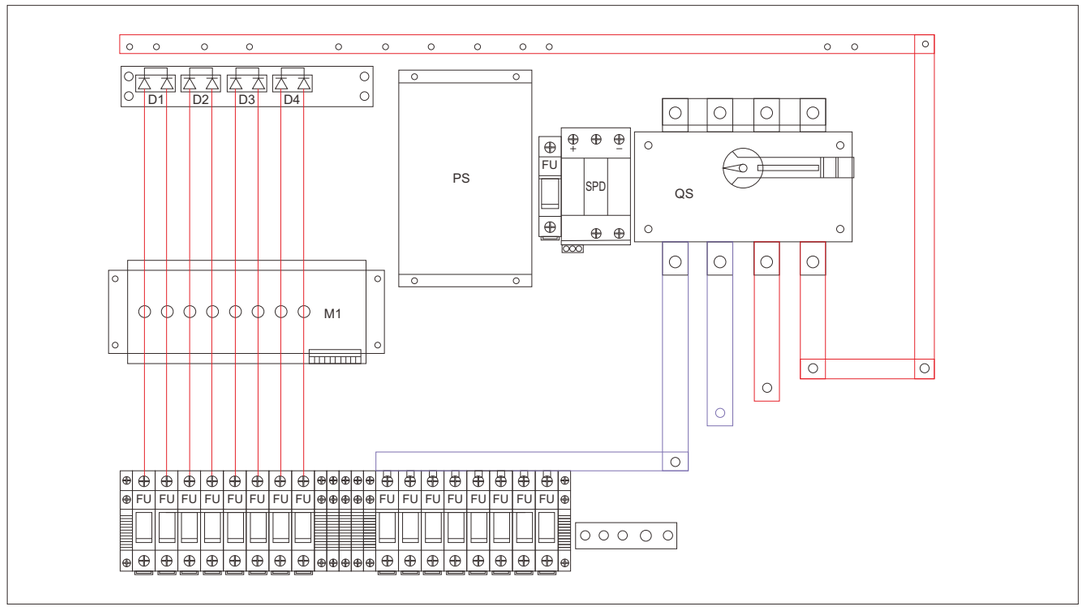
High reliability
With DC FUSE
With DC Surge Protection Device
With DC Circuit breaker or DC load isolation switch.

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

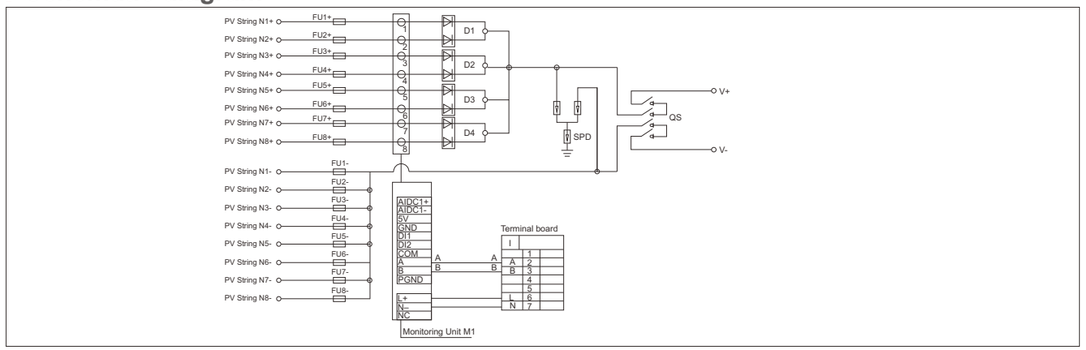
GYPV/8-1 PV combiner box bus synthetic DC input of 8 PV components to 1 output. Each channel is with a fuse. Output side is equipped with lightning protection and circuit breaker. It greatly simplify input wiring of DC power distribution cabinet and inverter. Realize lightning protection, short circuit 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.



Data

Electric parameter	
System maximum dc voltage	1000
Maximum input current for each string	15A
Maximum input strings	8
Maximum output switch current	125A
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	3.8kV
Maximum continuous operating voltage Uc	1050V
Poles	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)	500 x 400 x190

Schematic diagram



GYPV/12-1 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.

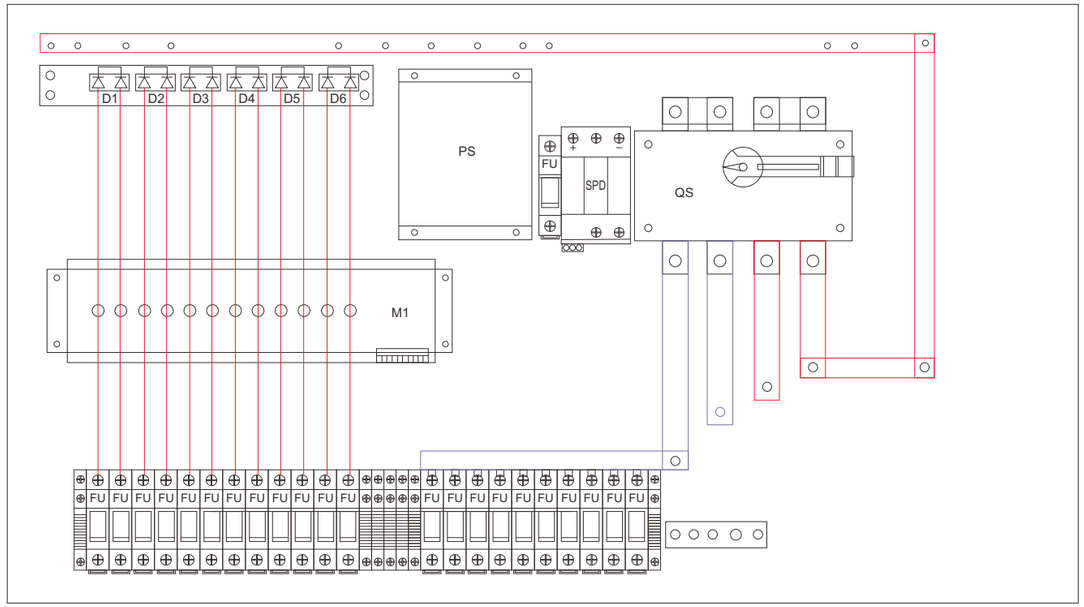
Flexible configuration
Used for single crystal silicon solar modules, polycrystalline silicon solar modules, thin film solar modules. Current rating of the photovoltaic fuse, circuit breaker, load isolation switch is modifed.

Description

GYPV/12-1 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.

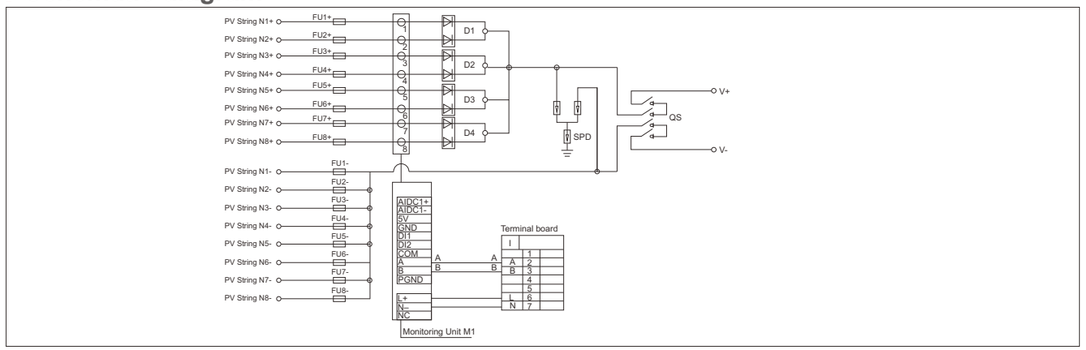
The product adopts outdoor wall mounted type, which adapt to the harsh environment. In addition to the core components, the other can be customized by user requirements.

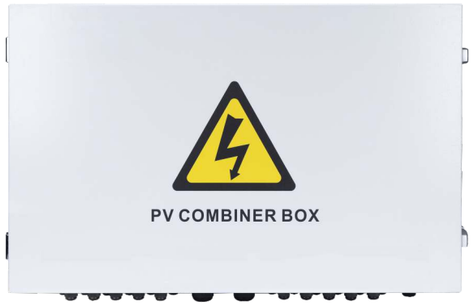


Data

Electric parameter	
System maximum dc voltage	1000
Maximum input current for each string	15A
Maximum input strings	12
Maximum output switch current	180A
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	3.8kV
Maximum continuous operating voltage Uc	1050V
Poles	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)	640 x 450 x180

Schematic diagram





GYPV/16-1 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.

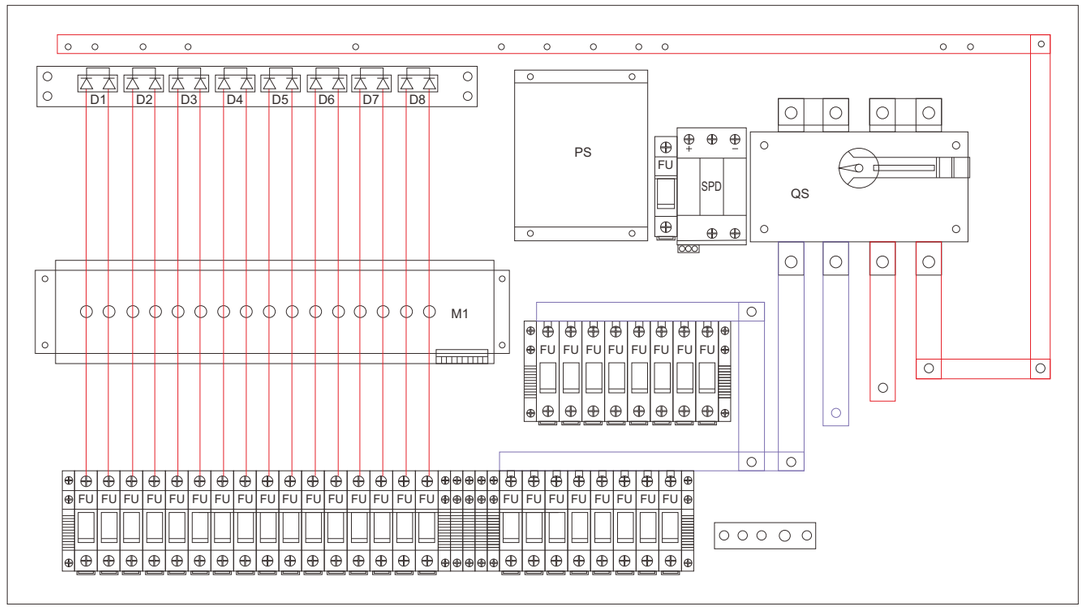
Flexible configuration
Used for single crystal silicon solar modules, polycrystalline silicon solar modules, thin film solar modules. Current rating of the photovoltaic fuse, circuit breaker, load isolation switch is modifed.

Description

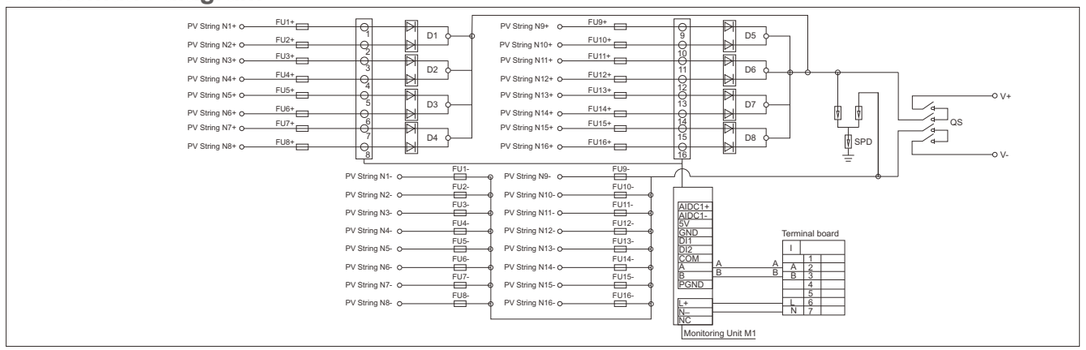
GYPV/16-1 PV combiner box bus synthetic DC input of 16 PV components to 1 output. Each channel is with a fuse. Output side is equipped with lightning protection and circuit breaker. It greatly simplify input wiring of DC power distribution cabinet and inverter. Realize lightning protection, short circuit 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.



Data

Electric parameter	
System maximum dc voltage	1000
Maximum input current for each string	15A
Maximum input strings	16
Maximum output switch current	240A
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	3.8kV
Maximum continuous operating voltage Uc	1050V
Poles	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)	800 x 500 x180

Schematic diagram