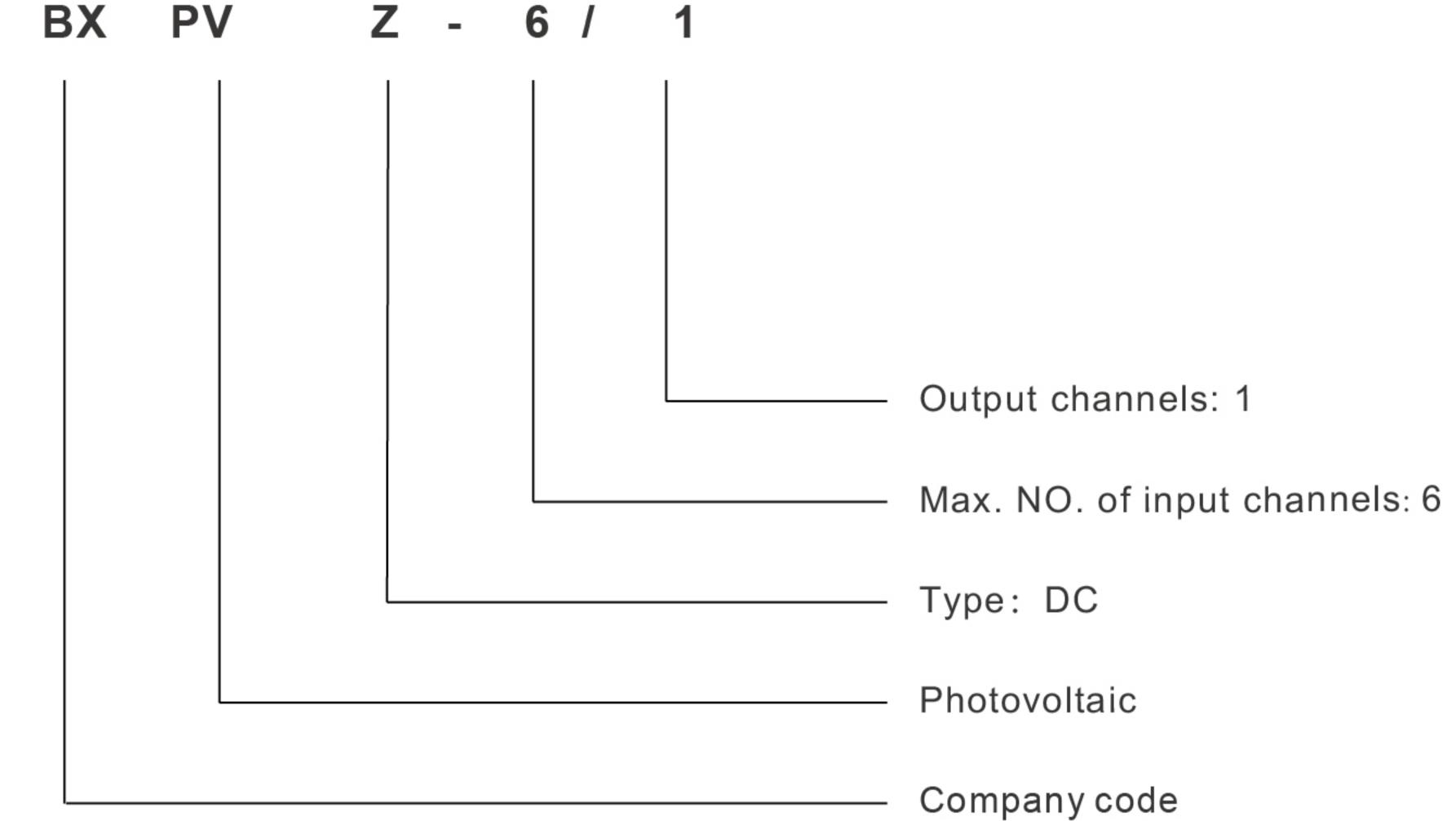


BXPVZ-6/1 DC Combiner Box



Nomenclature



Introduction

The BXPVZ-6/1 lightning protection combiner box combines the DC input and sink of the 6-channel photovoltaic module string into one output, each line is equipped with a fuse, and the output is equipped with a lightning arrester and a circuit breaker, which greatly simplifies the DC power distribution cabinet and the reverse Input wiring for the transformer. Provide lightning protection, short circuit protection and grounding protection. The combiner box is divided into two types, intelligent and non-intelligent. The intelligent lightning protection combiner box is equipped with a flow monitoring unit, which can monitor the current input by each photovoltaic cell string, the summed output voltage, the temperature inside the box, the state of the lightning arrester, and the state of the circuit breaker.

And strictly in accordance with the requirements of "Technical Specifications for Photovoltaic Confluence Equipment" CGC/GF 037:2014, to provide users with a safe, simple, beautiful and suitable photovoltaic system products. The product is wall mounted and can be adapted to a variety of harsh environments. In addition to the relevant core components. Others can be customized according to user requirements.

High reliability

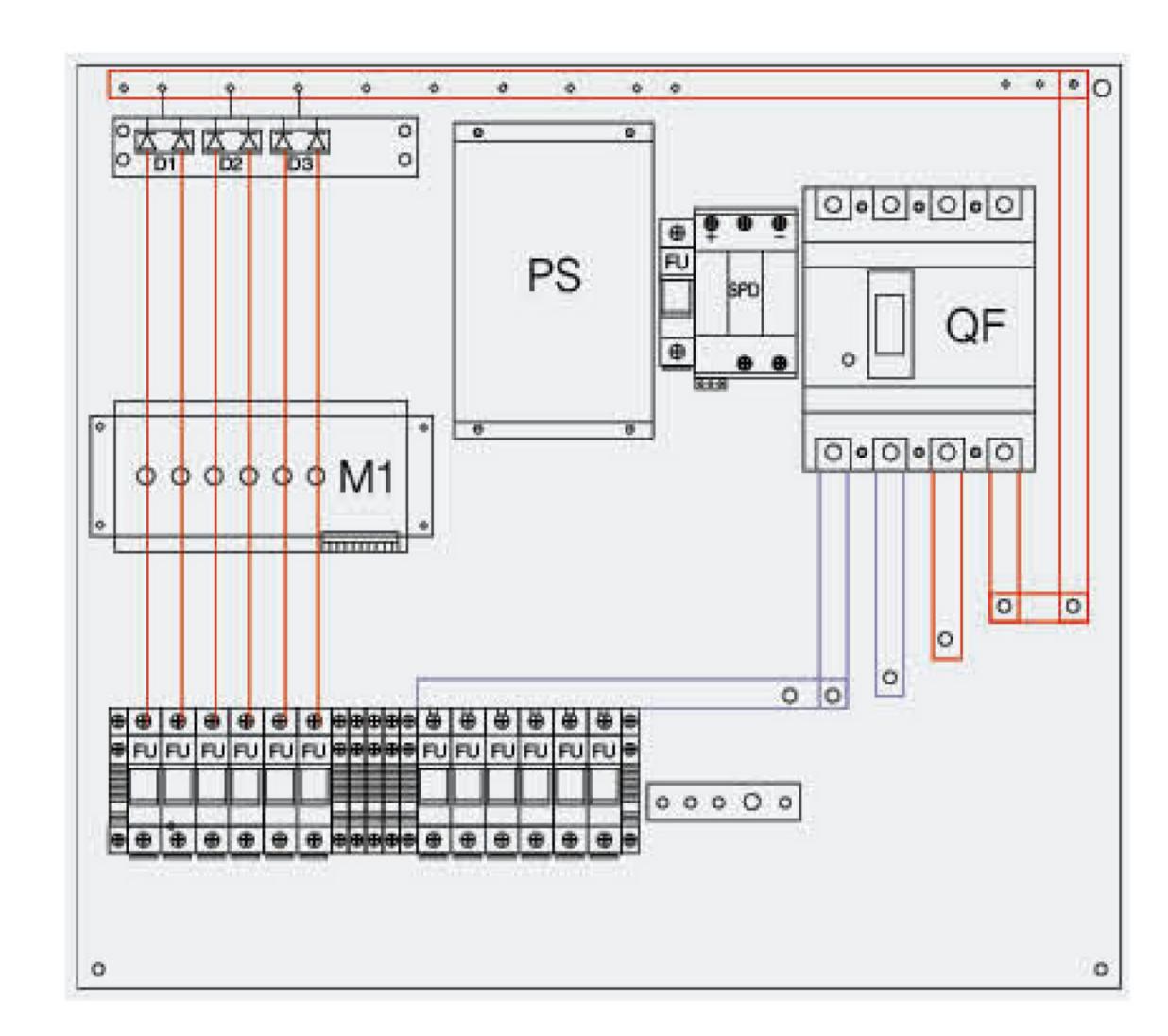
- Use PV-specific fuses.
- Use PV-specific surge protectors.
- ☐ Use PV-specific DC breaker or rotary isolation switch.

Strong adaptability

- □ IP65 protection, waterproof, dustproof and UV resistant.
- ☐ Strict high and low temperature test, suitable for a wide area.
- ☐ The installation is simple, the system wiring is simplified, and the wiring is convenient.
- ☐ The box is made of metal materials such as cold rolled steel plate.

Flexible Configuration

Applicable to monocrystalline silicon, polycrystalline silicon, thin film photovoltaic modules, can modify the current level of photovoltaic fuses, circuit breakers, rotary isolating switches.



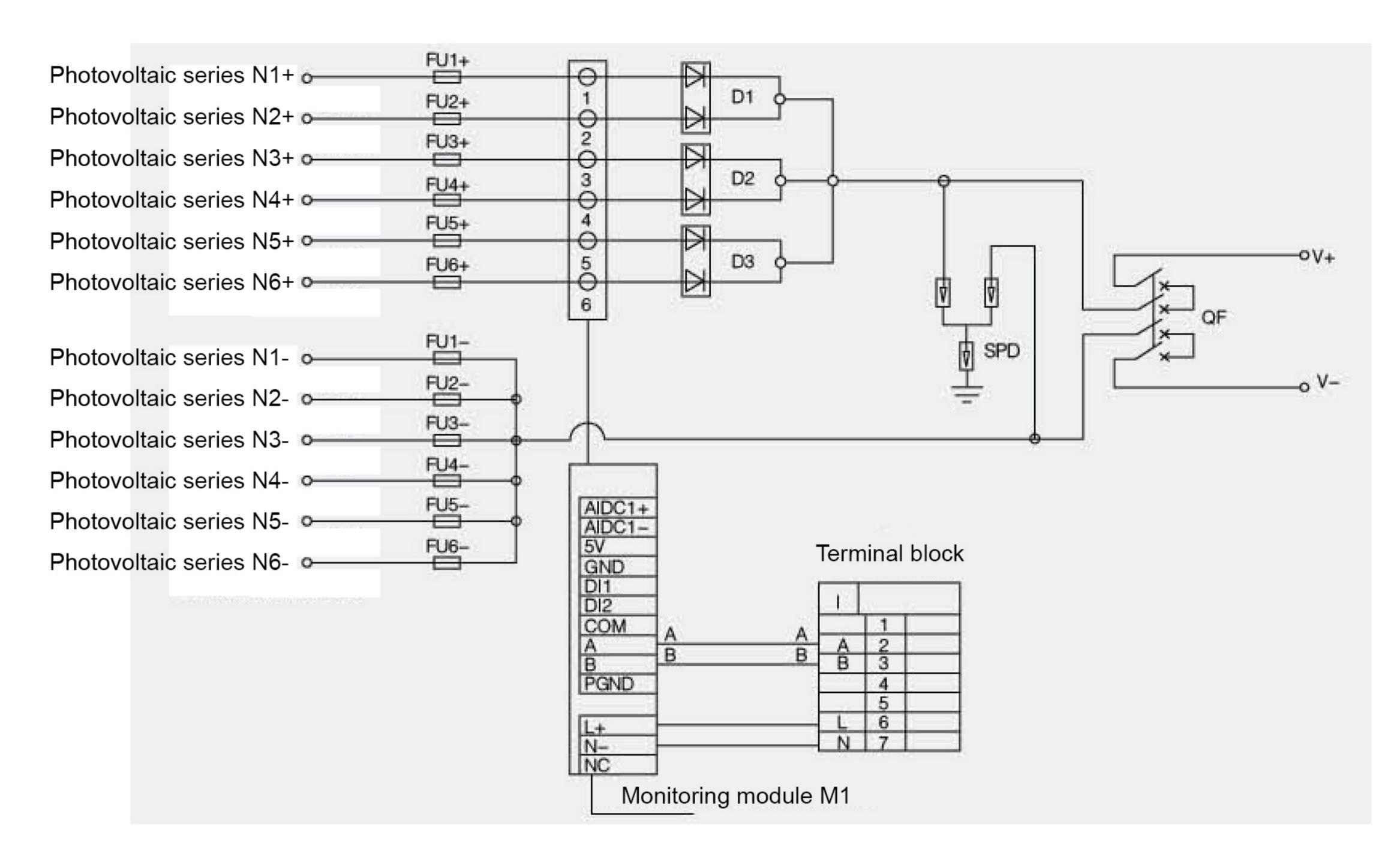
Technical Parameters

Name		BXPVZ-6/1	
Electrical parameters		System	
System maximum DC voltage	1000	Protection level	IP65
Maximum input current per channel	15A	Output switch	DC circuit breaker (standard)
Maximum number of input channels	6		DC rotary isolating switch (optional)
Maximum output switching current	20A/32A	SMC4 waterproof connector	Standard
Number of inverter MPPT	N	Photovoltaic DC fuse	Standard
Number of output channels	1	Photovoltaic DC surge protector	Standard
Lightning protection		Monitoring module	Optional
Test category	Ⅱ pole protection	Anti-reverse diode	Optional
Nominal discharge current	20kA	Box material	metal
Maximum discharge current	40kA	Installation method	Wall-mounted
Voltage protection level	3.8kV	Operating temperature	-25℃~+55℃
Maximum continuous operating voltage	1050V	Altitude	2000m
Number of poles	3P	Allow relative humidity	0~95%, no condensation
Structural features	Pluggable module		

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Schematic

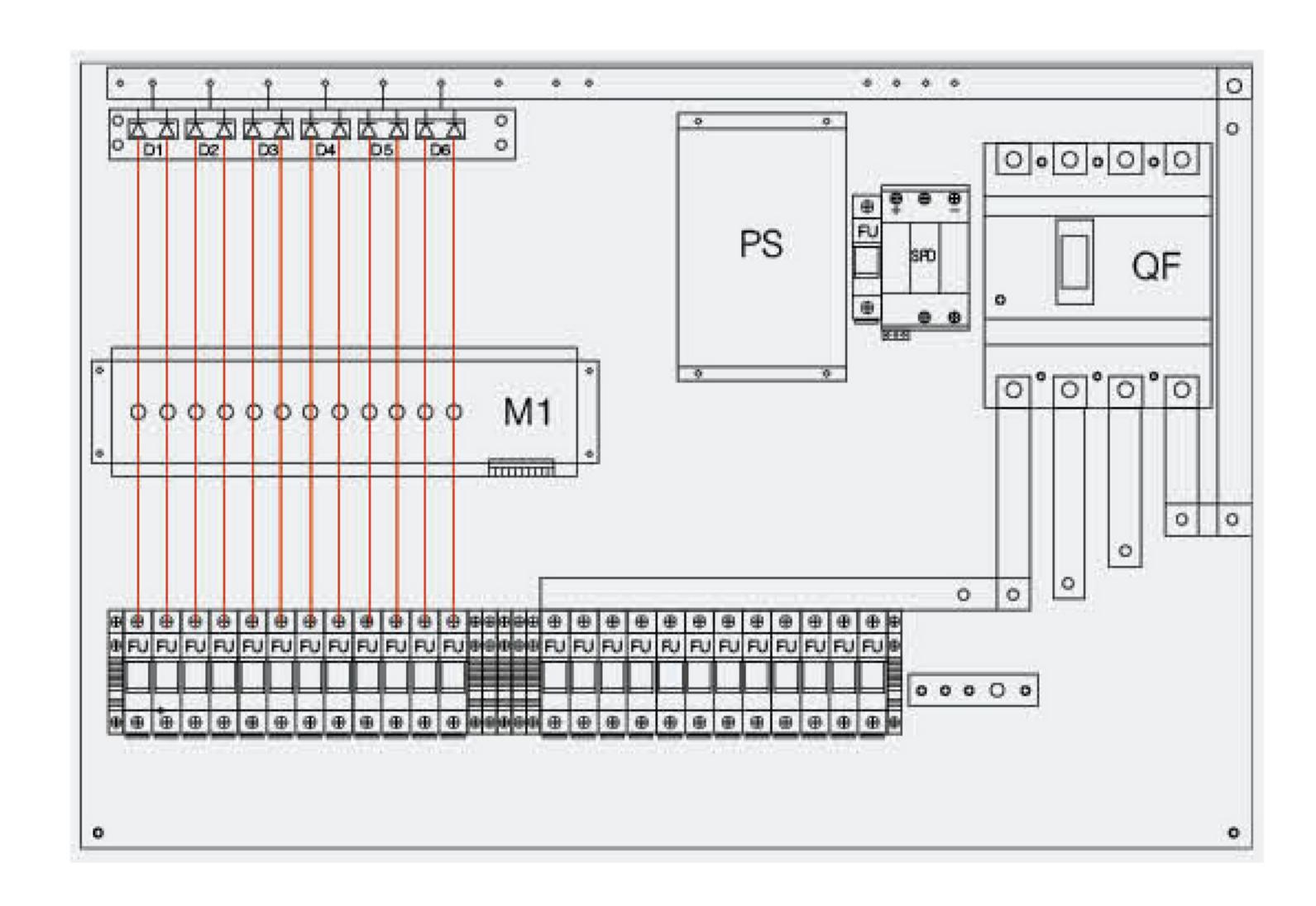


BXPVZ-12/1

Introduction

The BXPVZ-12/1 lightning protection combiner box combines the DC input and sink of the 12-channel photovoltaic battery components into one output, each with a fuse, and the output is equipped with a lightning arrester and circuit breaker, which greatly simplifies the DC power distribution cabinet and the reverse Input wiring for the transformer. Provide lightning protection, short circuit protection and grounding protection. The combiner box is divided into two types, intelligent and non-intelligent. The intelligent lightning protection combiner box is equipped with a flow monitoring unit, which can monitor the current input by each photovoltaic cell string, the summed output voltage, the temperature inside the box, the state of the lightning arrester, and the state of the circuit breaker.

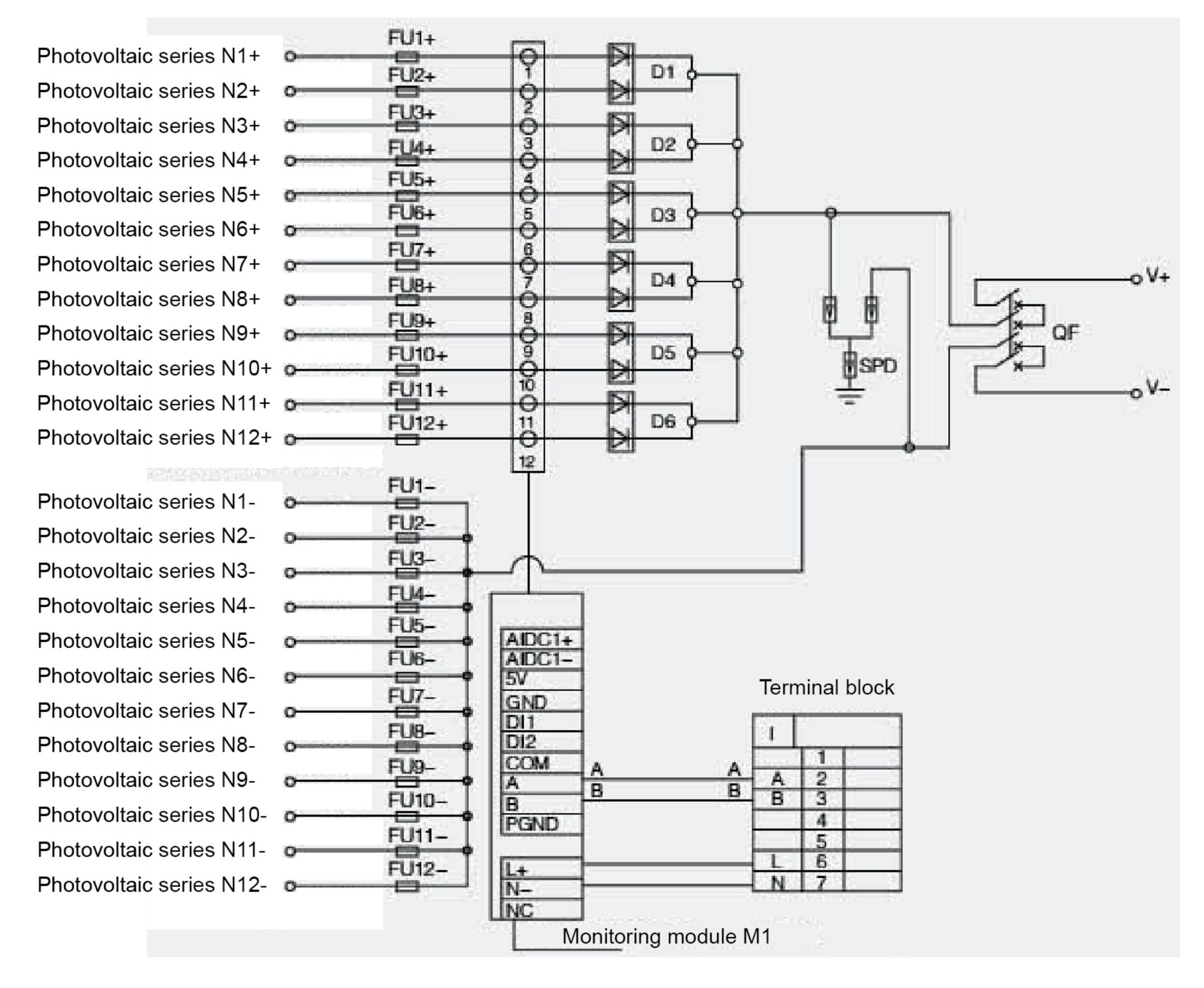
And strictly in accordance with the requirements of "Technical Specifications for Photovoltaic Confluence Equipment" CGC/GF 037:2014, to provide users with a safe, simple, beautiful and suitable photovoltaic system products. The product is wall mounted and can be adapted to a variety of harsh environments. In addition to the relevant core components. Others can be customized according to user requirements.



Technical Parameters

Name		BXPVZ-12/1	
Electrical parameters		System	
System maximum DC voltage	1000	Protection level	IP65
Maximum input current per channel	15A	Output switch	DC circuit breaker (standard)
Maximum number of input channels	12		DC rotary isolating switch (optional)
Maximum output switching current	160A	SMC4 waterproof connector	Standard
Number of inverter MPPT	N	Photovoltaic DC fuse	Standard
Number of output channels	1	Photovoltaic DC surge protector	Standard
Lightning protection		Monitoring module	Optional
Test category	I pole protection	Anti-reverse diode	Optional
Nominal discharge current	20kA	Box material	metal
Maximum discharge current	40kA	Installation method	Wall-mounted
Voltage protection level	3.8kV	Operating temperature	-25℃~+55℃
Maximum continuous operating voltage	1050V	Altitude	2000m
Number of poles	3P	Allow relative humidity	0~95%, no condensation
Structural features	Pluggable module		

Schematic



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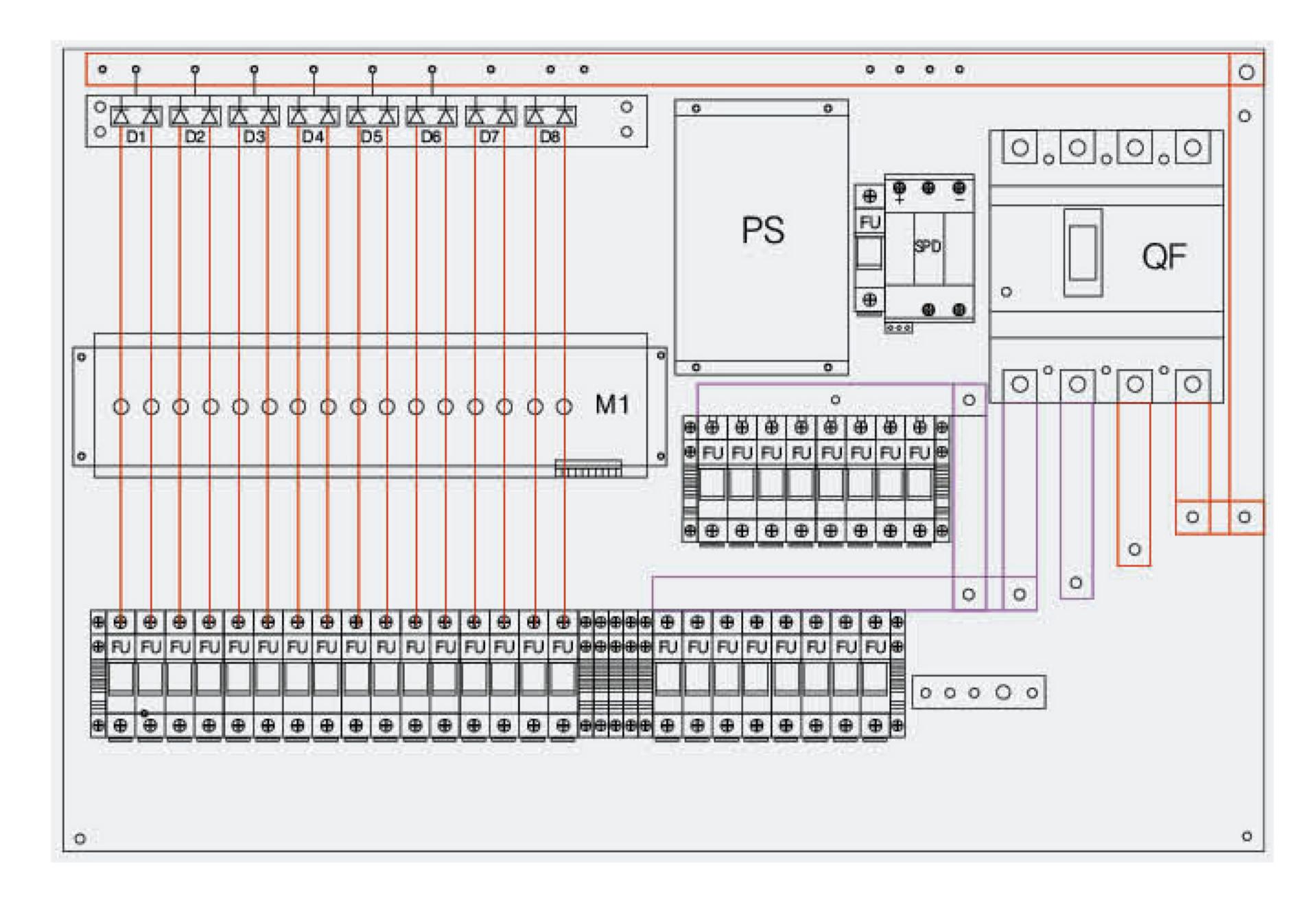


BXPVZ-16/1

Introduction

The BXPVZ-16/1 lightning protection combiner box combines the DC input and sink of the 8-channel photovoltaic battery module into one output, each with a fuse, and the output is equipped with a lightning arrester and circuit breaker, which greatly simplifies the DC power distribution cabinet and the reverse Input wiring for the transformer. Provide lightning protection, short circuit protection and grounding protection. The combiner box is divided into two types, intelligent and non-intelligent. The intelligent lightning protection combiner box is equipped with a flow monitoring unit, which can monitor the current input by each photovoltaic cell string, the summed output voltage, the temperature inside the box, the state of the lightning arrester, and the state of the circuit breaker.

And strictly in accordance with the requirements of "Technical Specifications for Photovoltaic Confluence Equipment" CGC/GF 037:2014, to provide users with a safe, simple, beautiful and suitable photovoltaic system products. The product is wall mounted and can be adapted to a variety of harsh environments. In addition to the relevant core components. Others can be customized according to user requirements.



Technical Parameters

Name	BXPVZ-16/1
Electrical parameters	
System maximum DC voltage	1000
Maximum input current per channel	15A
Maximum number of input channels	16
Maximum output switching current	200A
Number of inverter MPPT	N
Number of output channels	1

BXPVZ-16/1		
Lightning protection		
I pole protection		
20kA		
40kA		
3.8kV		
1050V		
3P		
Pluggable module		

Name	BXPVZ-16/1
System	
Protection level	IP65
Output switch	DC circuit breaker (standard) DC rotary isolating switch (optional)
SMC4 waterproof connector	Standard
Photovoltaic DC fuse	Standard
Photovoltaic DC surge protector	Standard
Monitoring module	Optional
Anti-reverse diode	Optional
Box material	metal
Installation method	Wall-mounted
Operating temperature	-25℃~+55℃
Altitude	2000m
Allow relative humidity	0~95%, no condensation

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Schematic

