

## Photovoltaic DC Components YCRP Rapid Shutdown Switch




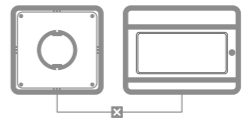
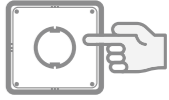
### General

Rapid shutdown switch YCRP series is a cost-effective rapid shutdown device; through one-button operation, the DC high voltage is limited to the roof or near the components, and in case of fire and other emergency situations, the personal safety of rescuers is protected to a certain extent to avoid electric shock accidents.

### Features

- Shutdown when ambient temperature exceeds 85°C;
- Ultra-thin size perfectly matches the module;
- Flame retardant grade: UL94-V0;
- Protection grade: IP68;
- Meet UL standard and SUNSPEC protocol;
- PLC control optional;
- Hook design, convenient and simple installation, saving labor costs.

### Shutdown mode

Automatic Shutdown	Manual Shutdown	Manual Shutdown
		
<p>Automatically shutdown the DC power of panels when detecting temperature of the area is higher than 85°C.</p>	<p>In an emergency, firefighters or homeowners can manually turn off the AC power of the distribution box</p>	<p>In an emergency, it can be shut down manually through the Panel Level Rapid Shutdown Controller Box</p>

### Selection

YCRP	15	P	S	S
Model	Rated current	Communication method	DC input	DC input
Rapid shutdown device	15: 15A 21: 21A	P: PLC W: Wifi	S: Single D: Dual	S: Screw type C: Clip type

Note: RP Rapid Shutdown Switch/Panel

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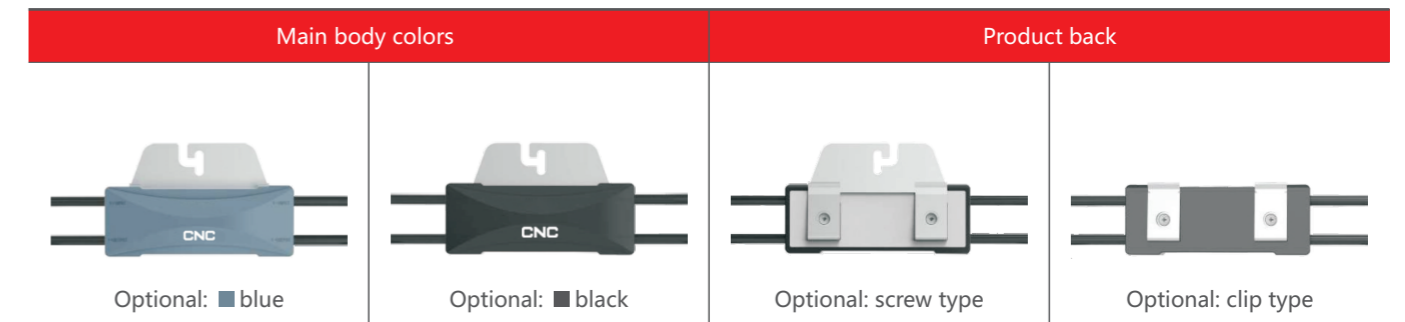
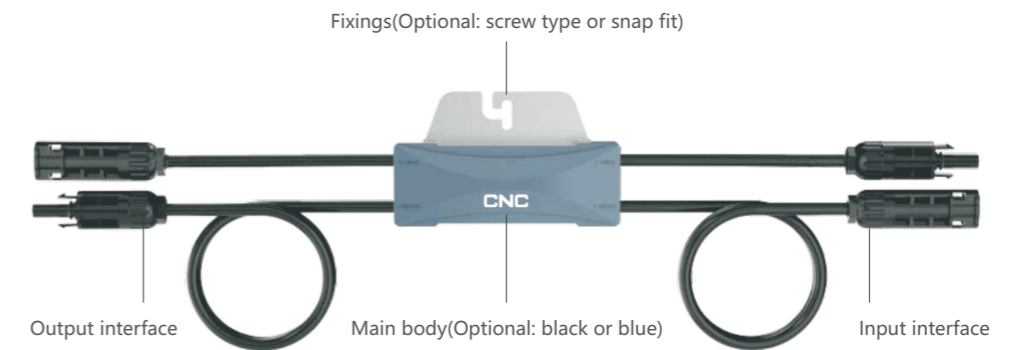
### Technical data

Model	YCRP-□□ S-□	YCRP-□□ D-□
Maximum allowable input voltage	80V	160V
Maximum output voltage	80V	160V
Number of connectable panels	1	2
Maximum input current	15A/21A	
Maximum short-circuit current	15A/21A	
Maximum system voltage	1000V(1500V optional)	
Working temperature	-30°C~+80°C(Automatic shutdown when the temperature exceeds 85 °C)	
Operating ambient temperature	-30°C~+80°C	
Supply voltage	PV panel	
Protection degree	IP68	
Fire rating	UL94-V0	
Humidity	0%~90%(20°C)	
Interface	MC4	
Warranty	10 Years	
Panel cable length	280±10mm	
String cable length	1280±10mm	
Communication	PLC	
Standard	UL 1741/NEC 2017 690.12	

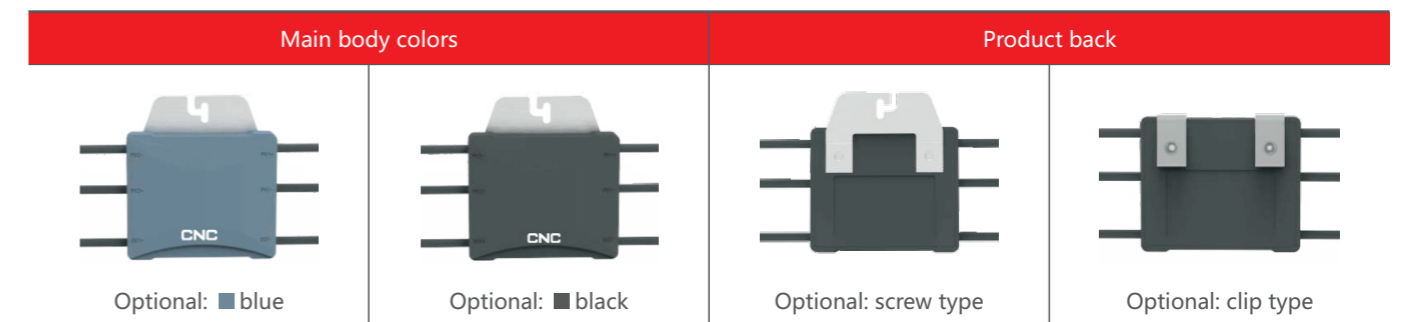
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### Product details

S(Single type)



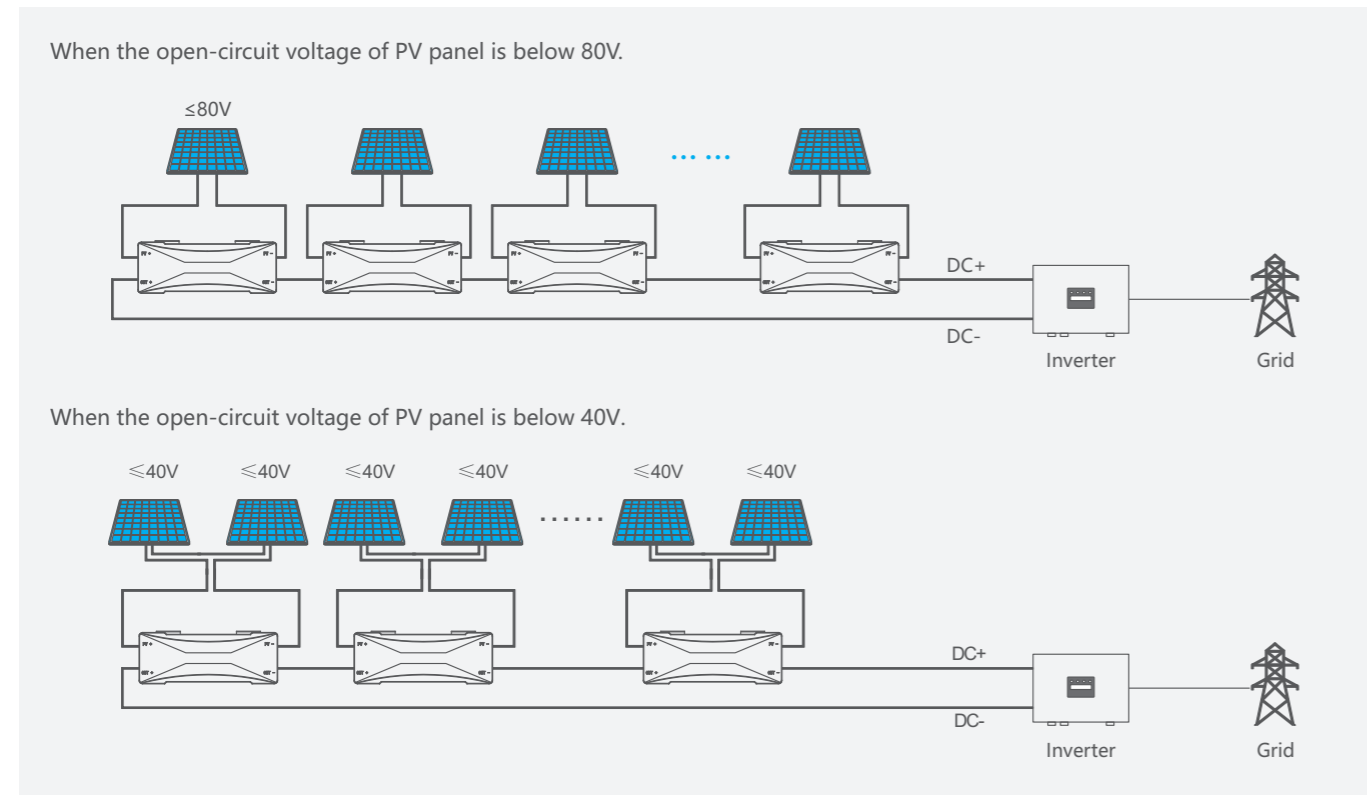
D(Dual type)



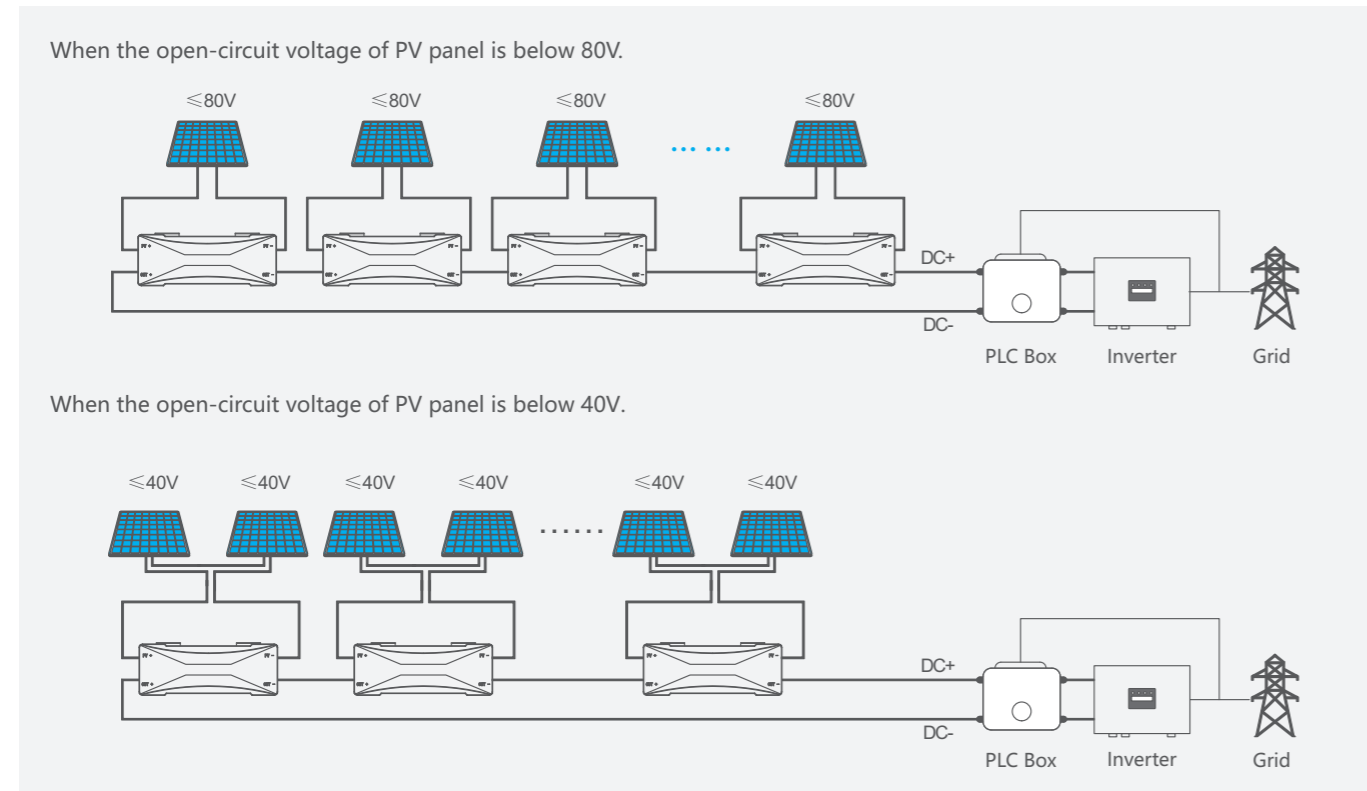
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### Wiring diagram

The inverter contains SunSpec



The inverter contains SunSpec



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### Overall and mounting dimensions(mm)

