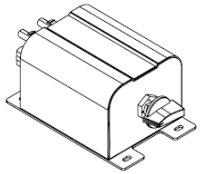
Instructions for DC SWITCH-1



Statement: The DC Switch is only applicable to the following inverters of Chint Power, and Chint Power will not assume any responsibility for loss arising from the use of the switch for other than those of Chint Power.

CPS SC1.5KTL

CPS SC2.0KTL

CPS SC2.8KTL

Read the Instructions thoroughly before installation. Chint Power is entitled to refuse quality assurance for damage of equipment due to improper installation.

Warranty: The warranty terms of the switch are identical to those of the supporting Chint Power photovoltaic inverter.

I.Technical parameters of the switch

Max. input voltage: 600Vdc

Max. input current: 16A

Input connector type: MC4

Input string: 1 DC strings

Output connector type: MC4

Output quantity: 1 positive and 1 negative

Degree of protection: IP65

Ambient temperature: -20℃ - +50℃

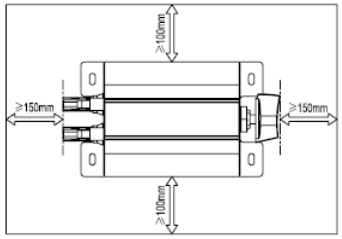
Outline dimensions: 120 × 100 × 80 (mm)

Weight: 950g

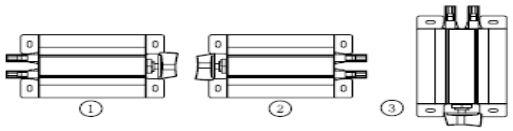
II. Installation requirements of the switch

1. Installation environment: either indoor or outdoor, ambient temperature: -20℃-+50℃

2. The minimum space requirements are shown as follows:

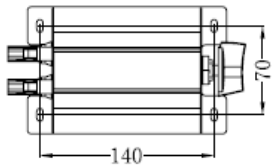


3. The installation positions can be any one of the three modes shown below. The first mode is recommended.

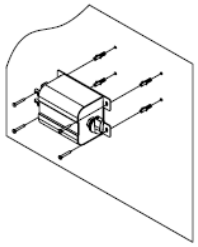


III. Installation method

a. Drill four holes with 6mm diameter and not less than 32mm depth on wall or a support as the size (140 × 70mm) shown below.



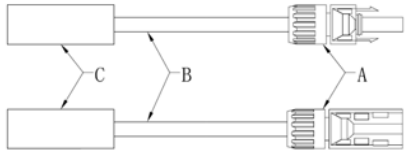
b. Fix the switch to the wall or support with four expansion bolts supplied with the switch according to the method shown below.



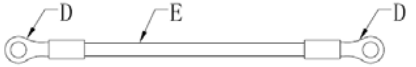
IV. Connection with equipment

1. Cable fabrication

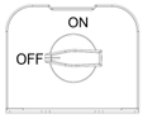
Connectors A supplied with the switch (two male connectors and two female connectors) are crimped with cable B whose conductors have 4.0mm^2 or 12AWG cross section. Connectors suitable to the equipment to be connected are used at the other end C of the cable. Length of the cable will depend.



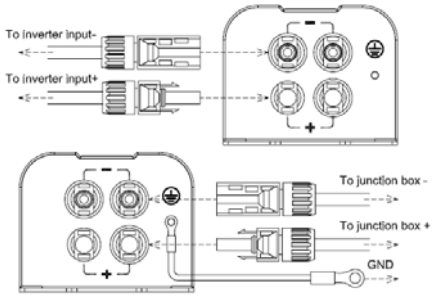
Ground terminals D (2 PCS) supplied with the switch are crimped with a yellow green cable E whose connectors have 4.0mm^2 or 12 AWG cross section. Length of the cable will depend.



2. Before the switch is connected with the equipment, and place a knob of the switch at "OFF" position.



3. The following diagram shows how the switch is connected with the equipment and grounded. The recommended connection sequence is grounding, connection with the inverter followed by connection with the junction box.



4. After the switch is connected with the equipment, place the knob of the switch at "ON" position.