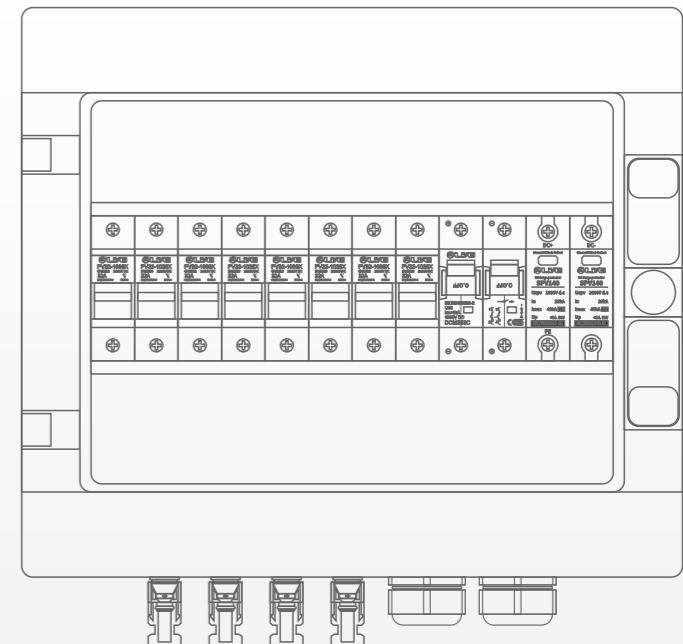


© Product installation and operation guide



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Ensure that these instructions are made available to the end user for future reference.

Solar Consumer Unit

Solar Consumer Unit
Installation and usage guide

12WAY SOLAR CONSUMER UNIT

Description

- DC Fuse Both Protection Of Positive And Negative Poles
- DC Circuit Breaker For Isolating Circuits And Maintenance
- DC 1000V Surge Protector
- Method A: Solar Connector Wiring (Replaceable + and -)
- Method B: Direct Wiring With Fuse

| Part No. | Description |
|-------------|--|
| ENC12-PV4/1 | 12 way solar consumer unit DC1000V 63A ,4 input 1 output |

18WAY SOLAR CONSUMER UNIT

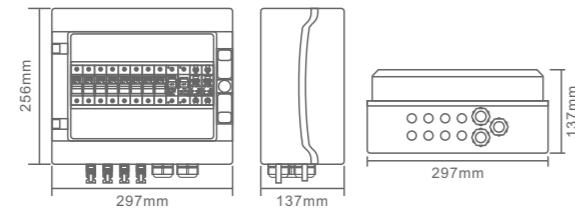
Description

- DC Fuse Both Protection Of Positive And Negative Poles.
- DC Circuit Breaker For Isolating Circuits And Maintenance.
- DC 1000V Surge Protector.
- Method A: Solar Connector Wiring (Replaceable + and -).
- Method B: Direct Wiring With Fuse.

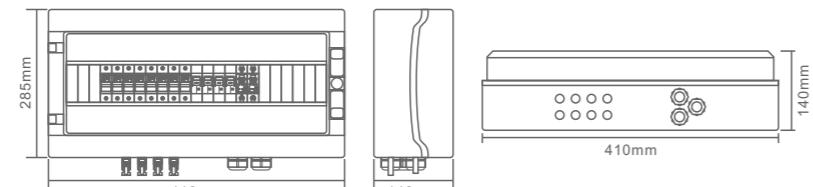
| Part No. | Description |
|-------------|---|
| ENC18-PV4/1 | 18 way solar consumer unit DC1000V ,4 input 1 output |
| ENC18-PV3/3 | 18 way solar consumer unit DC 1000V ,3 input 3 output |

Dimension

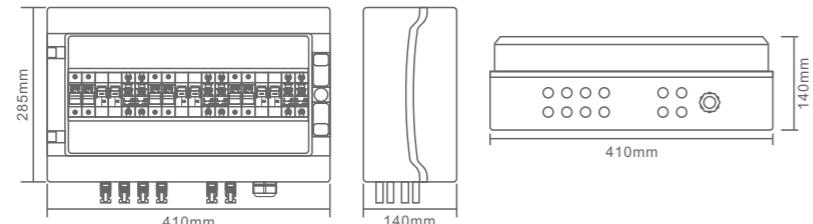
ENC12-PV4/1



ENC18-PV4/1



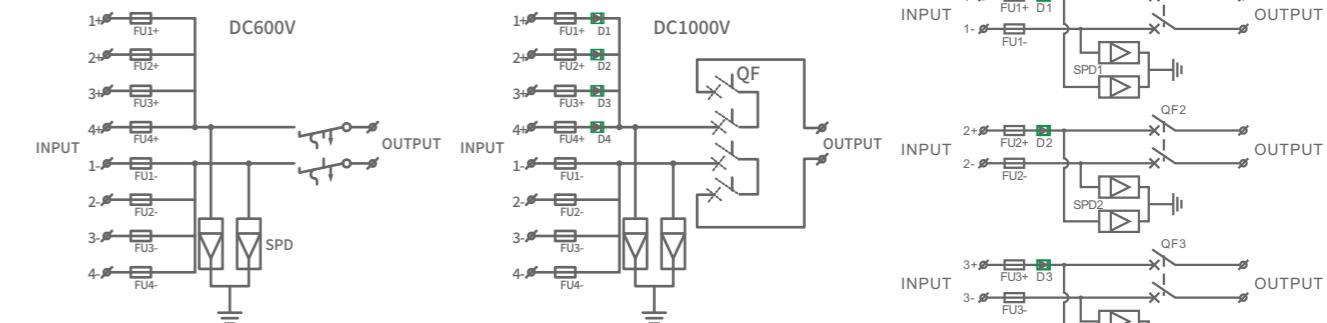
ENC18-PV3/3



Configuration List

- Fitted with 10x38 15A Photovoltaic Fuses
- Fitted with 32A 1000VDC Photovoltaic Fuse Holder with light
- Fitted with 2P 63A DC 600 Circuit Breaker
- Fitted with 2P/20-40KA DC 1000V Type 2 Surge Protector
- Fitted with 1000VDC Photovoltaic Gland Connector

Wiring Diagram



ENC12-PV4/1

ENC18-PV4/1

ENC18-PV3/3

Safety Warning

Before use please read carefully and use in accordance with these safety wiring instructions. Before commencing any electrical work ensure the supply is isolated at the mains. Either by switching off the consumer unit or by removing the appropriate fuse.

Wiring should be in accordance with the latest edition of the IET regulations (BS 7671).

To prevent fire hazard always use cable of the correct rating, size and type for the application.

Safety Instructions

1. The protection level of the Solar Consumer Unit meets the requirements for outdoor installation.
2. The general cooling method for Solar Consumer Unit is natural cooling. In order to ensure the normal operation and service life of the Solar Consumer Unit, it is recommended not to install it in areas with direct sunlight or high ambient temperature.
3. Please ensure that the installation wall or column of the Solar Consumer Unit has sufficient strength to withstand its weight.
4. When installing photovoltaic components during the day, opaque materials should be used to cover the photovoltaic modules. Otherwise, under sunlight, photovoltaic modules will generate voltage, which may lead to electric shock hazards.

Notes

1. Only professional Electricians can perform operations and wiring
2. During installation, do not touch any other parts inside the chassis except for the wiring terminals.
3. Input and output cannot be connected in reverse, otherwise the subsequent equipment may not work properly or even damage other equipment;
4. When wiring externally, please ensure that the screws are tightened to prevent loosening, heating, and combustion of the wiring. Ensure that the waterproof terminals are tightened, otherwise there is a risk of water leakage leading to the failure of the Solar Consumer Unit.
5. The specific number of input channels depends on the part No. used. Note that the wiring input to the positive pole of the photovoltaic module output is located on the left side of the bottom, while the wiring to the negative pole of the photovoltaic module output is located on the right side of the bottom.