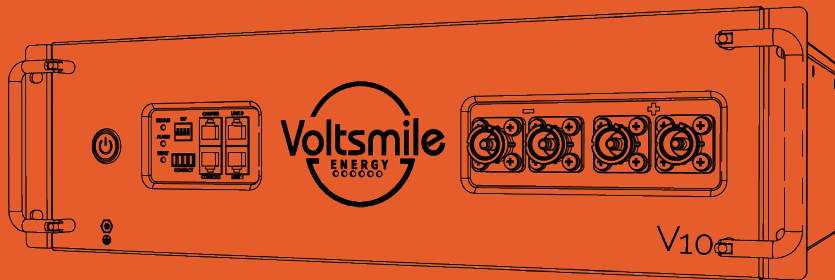




OWNER'S GUIDE



01. Safety

02. Interface

03. Specification

04. Packing list

05. Installation

06. DIP and pinout

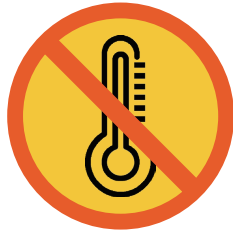
07. Indication

08. Remark

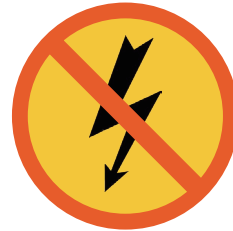
When using electrical appliances, basic safety precautions should always be followed, include followings:



KEEP DRY



KEEP COOL



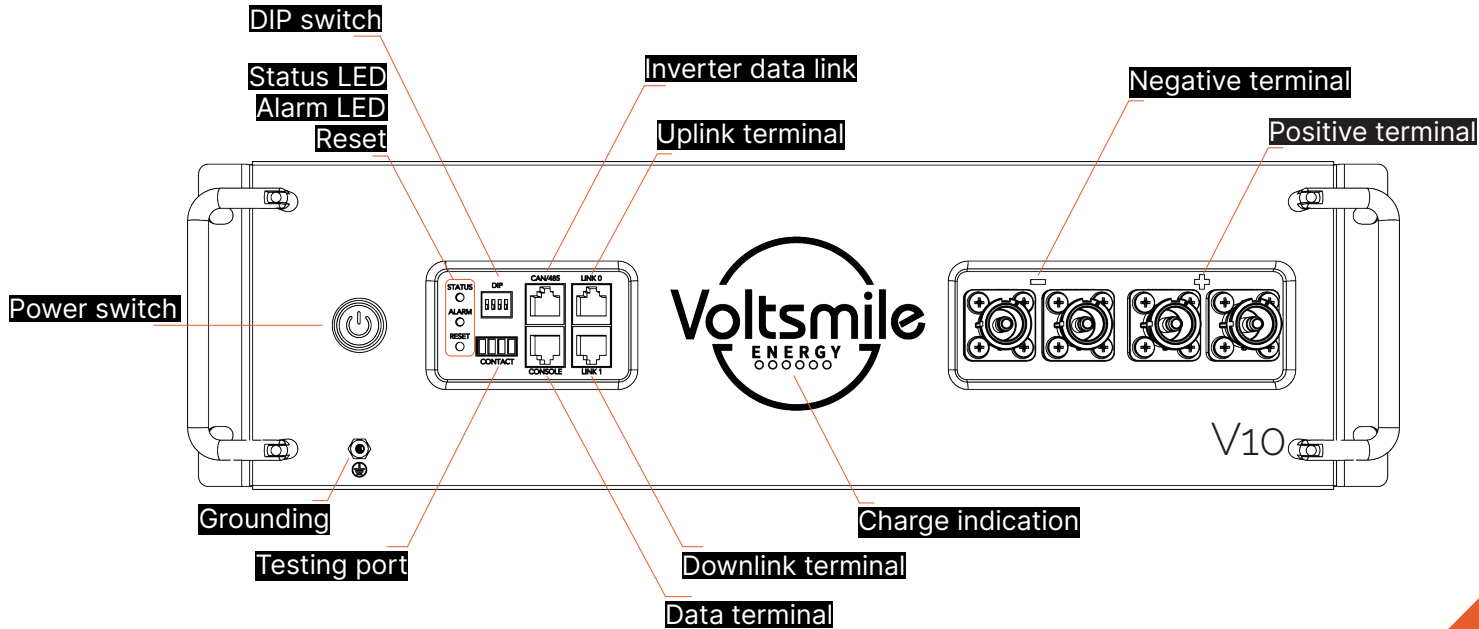
ELECTRIC SHOCK

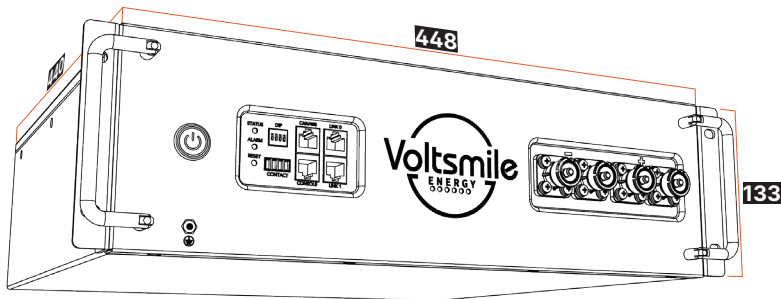


DO NOT OPEN



INDOOR ONLY





RoHS



**UK
CA**



Voltage(V) : **51.2**
Capacity (Ah): **100**
Weight (kg): **42**
Discharge voltage (V): **46.4 ~ 57.6**
Charge voltage (V): **56.8 ~ 57.6**
Charge current(A): **100 max**
Discharge Current (A): **100 max**
Peak charge/discharge current (A): **120 @ 10sec**
Depth of discharge: **95%**
Communication: **RS485 / RS232 / CAN**
Charge temperature: **0°C ~ 50°C / 23°F ~ 122°F**
Discharge temperature: **-20°C ~ 50°C / -4°F ~ 122°F**
Shelf temperature: **-20°C ~ 60°C / -4°F ~ 140°F**
Humidity: **5% ~ 95% (RH)**
Protection rating: **I**
IP rating: **IP20**
Altitude: **<4500m**
Designed life: **10 years+**
Life cycle: **6000+**



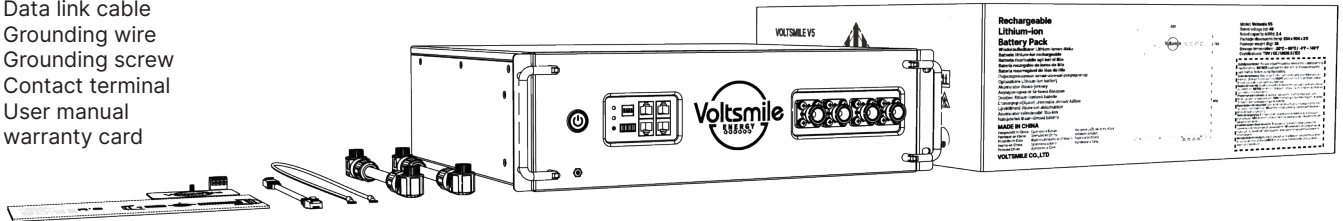
Warning:

Installation and maintenance should only be carried out by trained professionals. We do not undertake any consequences or related responsibility because of violation of safety operation or violation of design, production and equipment safety standards.

1. After unpacking, please check the product and packing list first. If the product is damaged or missing parts, please get in touch with your local dealer.

Packing list:

- Voltsmile V5
- Positive power connector
- Negative power connector
- Data link cable
- Grounding wire
- Grounding screw
- Contact terminal
- User manual
- warranty card

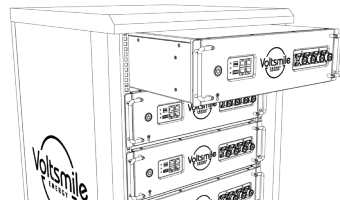




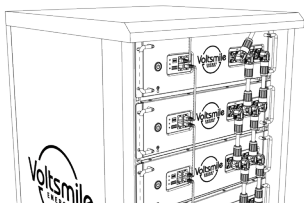
①. Check the battery.



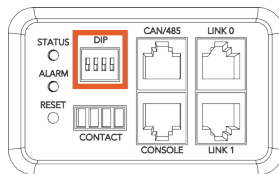
②. Make sure batteries are turned off before install.



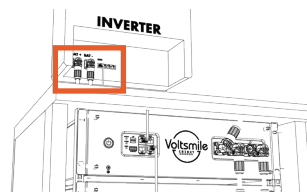
③. Secure the batteries in fixed place, preferably on a server rack.



④. Connect power cables and data cables.

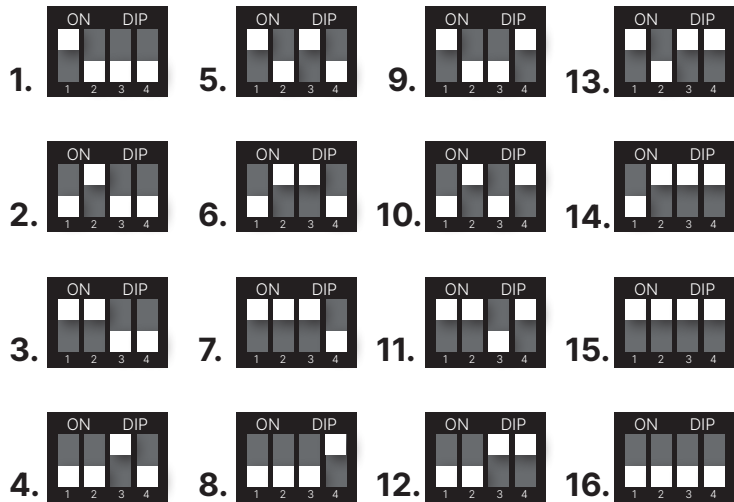


⑤. Make sure the all the DIP switch are in the correct position.

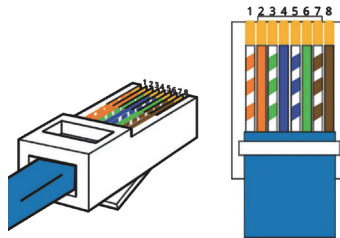


⑥. Connect to interver's battery terminals and data port.

Battery position:



Cable pinout:

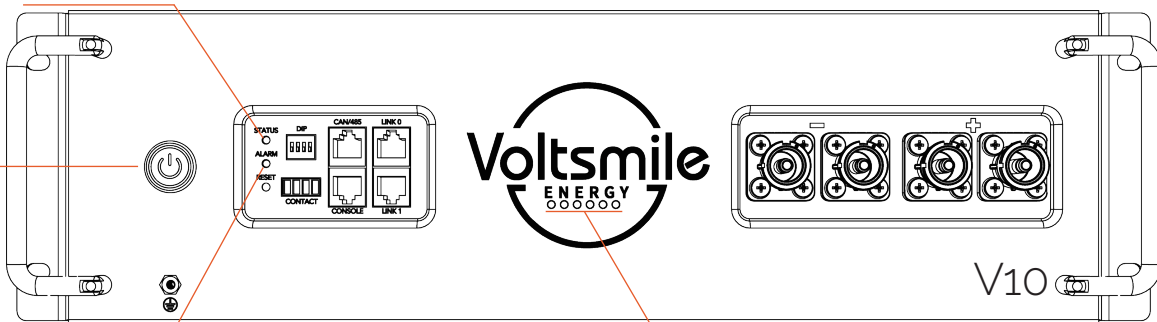


| Pin | Colour | Defenition |
|-----|----------------|------------|
| 1 | Orange & White | NC |
| 2 | Orange | NC |
| 3 | Green & White | NC |
| 4 | Blue | CANH |
| 5 | Blue & White | CANL |
| 6 | Green | CAN_GND |
| 7 | Brown & White | 485_A |
| 8 | Brown | 485_B |

Status LED:

On: Normal
Blink: Warning
Off: Error

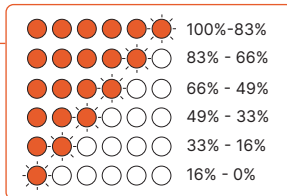
Power LED

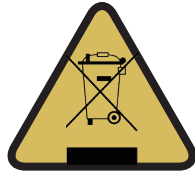


Alarm LED:

Off: Normal
Blink: Warning
On: Error

State of charge





In case a battery (normal condition or damaged) needs disposal or needs recycling, it shall follow the local recycling regulation (i.e. Regulation (EC) Number 1013/2006 among European Union) to process and use the best available measures to achieve relevant recycling efficiency.

- 1. It is required to charge the battery at least once every six months. For this charge, maintenance ensures the SOC is higher than 90%.**
- 2. The connection of the power connector, grounding point, power cable and screw are suggested to be checked yearly. Ensure there is no loose, broken, or corrosion at the connection point. Check the installation environment, such as dust, water, insect and more, to ensure it is suitable for the IP20 battery system.**
- 3. If the battery is stored for a long time, it must charge every six months, and the SOC should be higher than 90%.**

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