

Outdoor smart solar powered box

User manual

Ver. 1.0

Overview

It's an outdoor smart solar powered box, which integrates circuit breaker, surge protector, PoE switch,

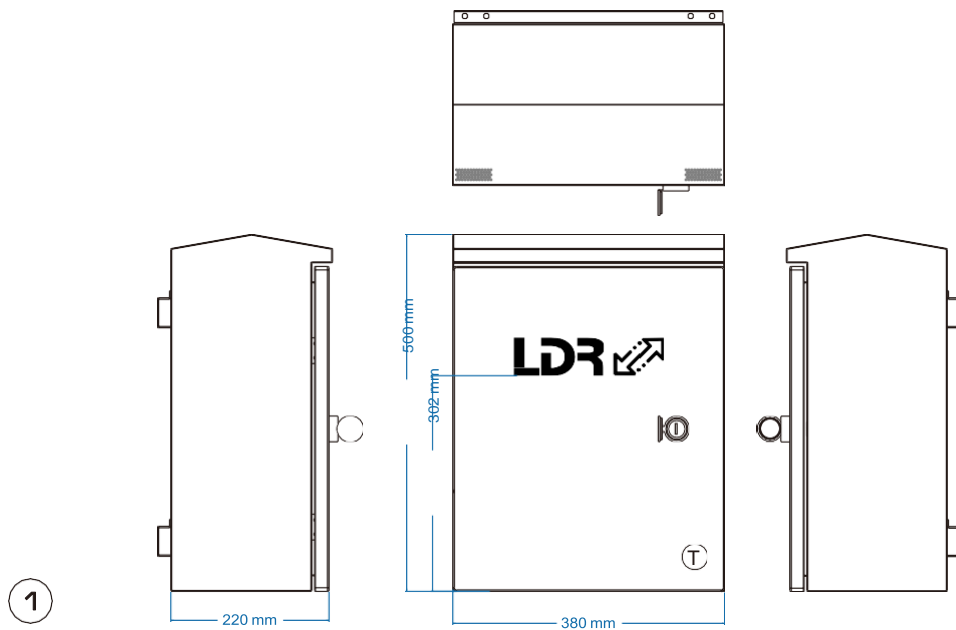
MPPT, Fan, control unit, etc. It can be for outdoor using.

It can be applied for surveillance monitoring, forest monitoring, etc.

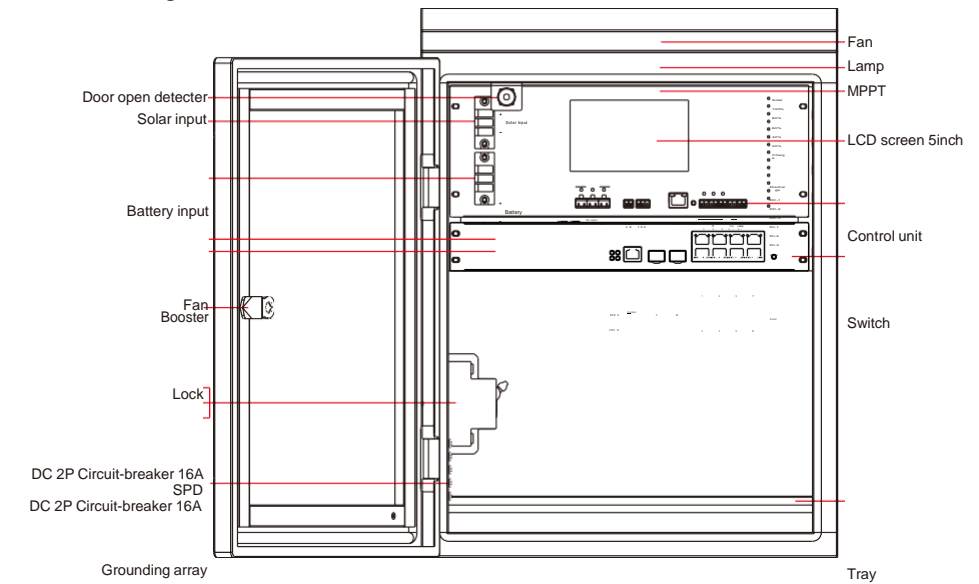
Feature

- Solar power input, input <math>< 100VDC</math>;
- Provide DC12V 3 channel power output, can remotely control, detect the output voltage and current;
- Supports 2 port PoE power each up to 90W, 6 port PoE power each up to 30W;
- With MPPT controller, connected the solar battery and charge the storage battery;
- Supports L2 management, such as QoS, VLAN, MSTP, Multi-broadcast, ports management and PoE management;
- The box adopts waterproof, anti-rust treatment, suitable for long time outdoor use;
- Supports platform software, supports maps, multi product networking, remotely control, alarm management, operational dimension, statistical analysis, etc.

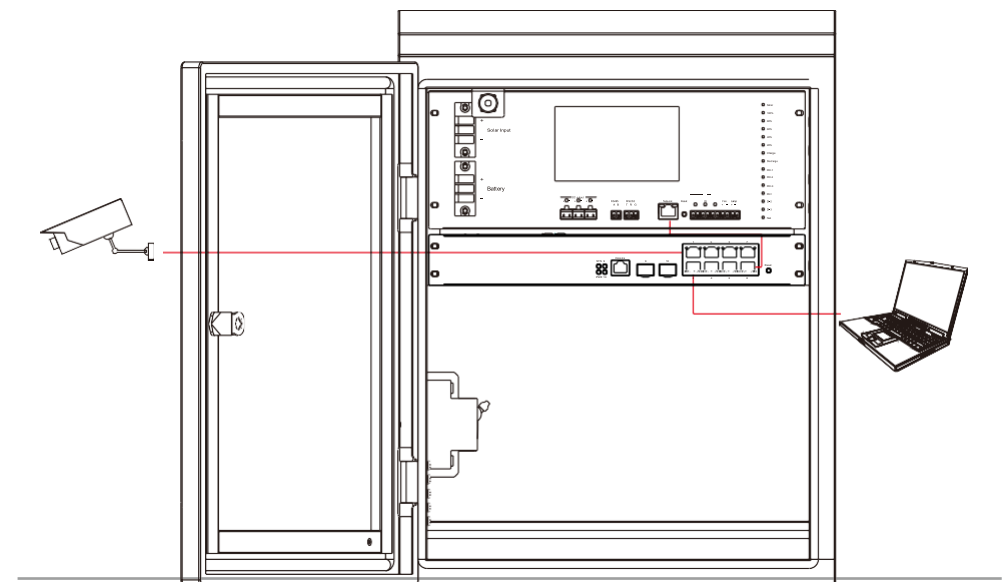
Structure dimension



Panel diagram



Application



Package list

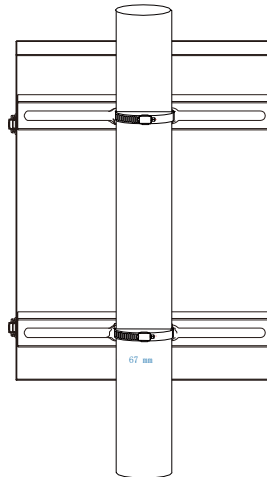
Please check the following items before installation, if any missing, please contact your local dealer.

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Installation

● Installation guide

As below, fix the box onto the pole with two hose clamps, then tighten the screw on the clamp.



● Configure devices

Use one Ethernet cable to connect the RJ45 port of this device to the RJ45 port of the computer. The default IP is 192.168.1.89. Please set the computer's IP to 192.168.1.88 and set the subnet mask to 255.255.255.0. You can use the "JL_UDP" tool software to search for devices, modify their IP addresses, and modify their server IP addresses. Please contact your dealer for the JL_UDP tool software and usage instructions.

Specification

Item		
Power	Power input	AC 100~240V, 50/60Hz, 10A
	Consumption	Self-consumption<10W
Circuit breaker	Circuit breaker	DC 2P 16A
Battery	Battery	DC 12V, customer provided
SPD	SPD	2P, 220VAC, 20KA
Ethernet ports parameter	Ethernet ports parameter	1~2ports: 10/100/1000Base-T 90W PoE 3~8ports:10/100/1000Base-T 30W POE 9~10 ports: 1000Base-X SFP slots
Control unit	RS232	Standard RS232 interface
	RS485	Standard RS485 interface
	10/100 Network port	1*10/100Base-TX
	Alarm input	3 channels, The first channel is default door opening detection;
	DC output	DC 12V 3 channels output, support for remote control of single channel
	Reset Key	>5S long press: restore factory settings
LCD screen	LCD screen	Size: 5.0# (touched screen)
		Resolution ratio:800*480
Switch ports Protection	Surge	6KV, standard: IEC61000-4-5
	ESD	6KV: contact / 8KV: air, standard:IEC61000-4-2
MPPT controller	System voltage	12V/24V/Auto
	Solar input voltage	<100V
	MPPT efficiency	>99%
	Rated Discharge Current	20A
Environment	Working temperature	-20°C~70°C
	Storage temperature	-40°C~85°C
	Humidity	0~95%(No condensation)
Structure	Dimension(LxWxH)	500mmx380mmx220mm
	Material	Metal
	Colour	White
	Net-weight	15KG