Outdoor smart solar powered box

Model SF-BOX08SOL-BMS-IP55 User manual Ver. 1.0

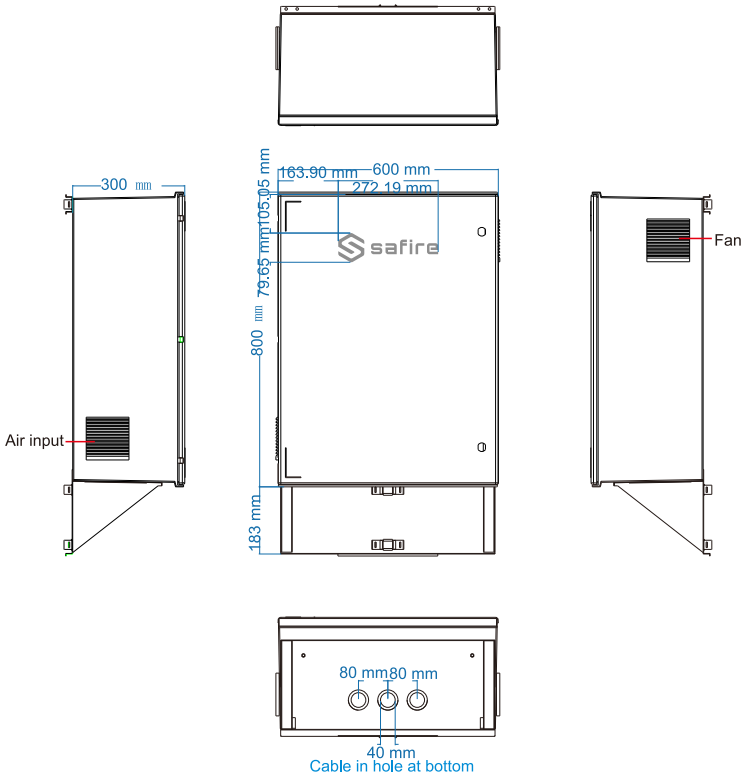
Overview

It is an outdoor smart solar powered box, powered by solar battery, with MPPT, PoE switch, circuit-breaker, surge arrester, 2.4 inches LED screen inside.
It can be applied for surveillance monitoring, forest monitoring, etc.

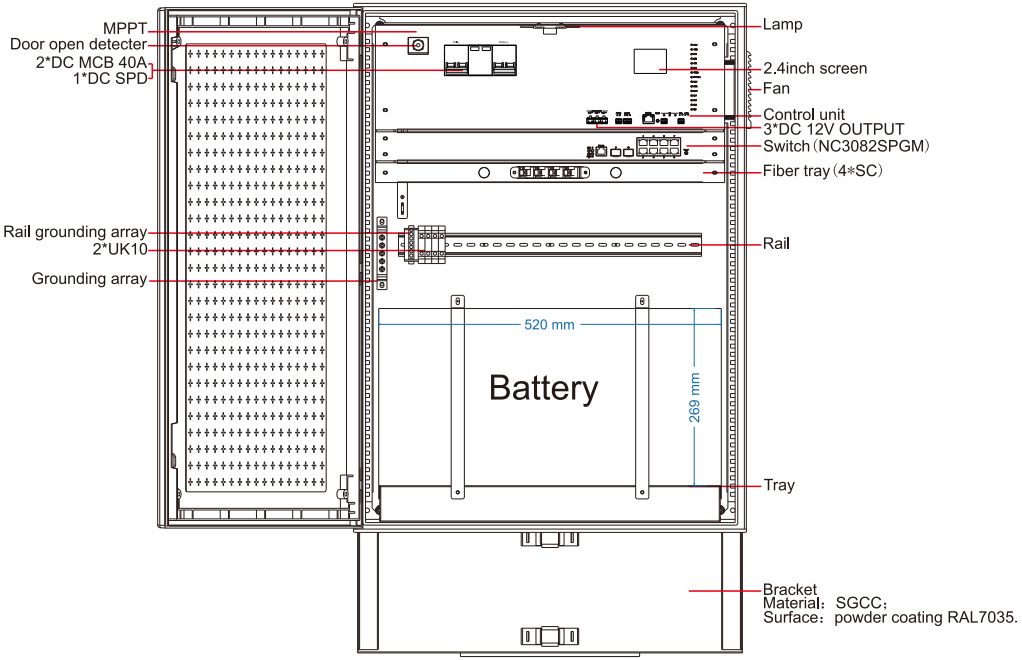
Feature

- Solar input <100VDC(must greater than storage battery voltage, customer provide);
- Provide 3 channel DC 12V power output, can remotely control, detect the output voltage and current;;
- With 8*10/100/1000M PoE downlink ports and 2*1000M SFP ports;
- Supports platform software, supports maps, multi product networking, remotely control, alarm management, operational dimension, statistical analysis, etc;
- The box adopts waterproof , anti-rust treatment, suitable for long time outdoor use.

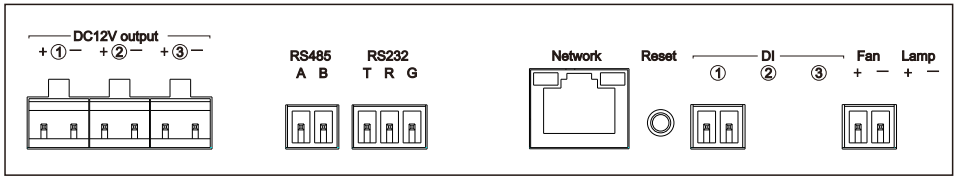
Structure dimension



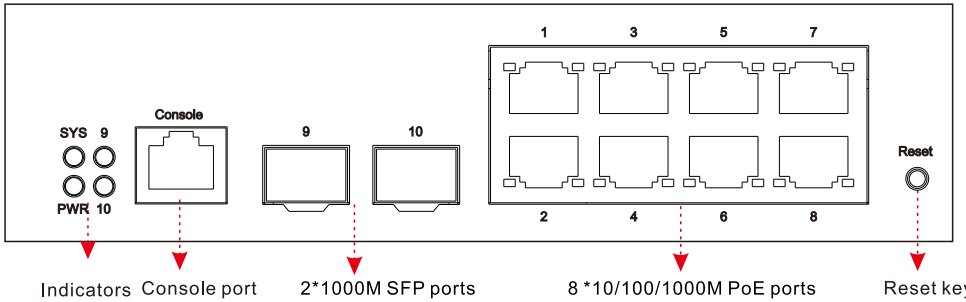
Panel diagram



Control Unit



PoE switch



Package list

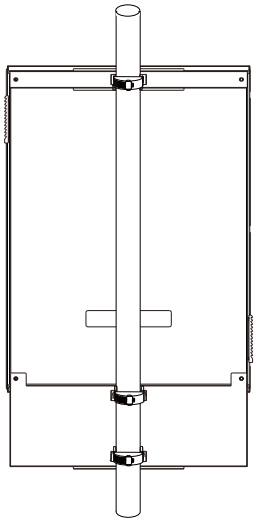
Please check the following items before installation,if any missing , please contact your local dealer.

Outdoor smart solar powered box	1pc
User manual	1pc

Installation

Installation guide

If you need to hold the pole to install, as shown in the figure below, install the two holdingholes through the pole to the rear slot;Then tighten the mounting screws to the pole to fix it.



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		Specification
Power	Solar input	Solar input <100VDC(must greater than storage battery voltage□ customer provide)
	Battery	DC48V 100Ah(customer provide)
	DC12V output	Controllable DC12V output 3 channels, 3A, green terminal slot
Circuit-breaker	MCB	2*DC 2P,40A
Port and specification parameters	PoE switch	Ports 1~2 10/100/1000Base-T 90W PoE Rj45 (IEEE 802.3bt, also support IEEE802.3af/at) ; Ports 3~8 10/100/1000 Base-T 30W PoE RJ45(IEEE802.3af/at); Ports 9~101000Base-X SFP slots
	RS232/RS485	Standard RS232/RS485 interface
	Alarm input	3 channels, The first channel is default door opening detection;
	10/100 Network port	1*10/100Base-TX
	Reset Key	>5S long press: restore factory settings
Charging controller	MPPT controller	Maximum input voltage 100V,support battery DC12V/24/48V,charging current 20A
Fiber tray	Fiber tray	4*SC
Convertor	Convertor	DC 48V to DC 24V convertor
Operating environment	Operating Temperature	-20°C~70°C
	Storage Temperature	-40°C~85°C
	Humidity (no condensation)	0~95%
Structure	Dimension(H×W×D)	800*600*300mm
	Material	Plastic
	Colour	White
	Net-weight	22kg