❖ Overview

Outdoor smart box

SF-BOX4538AC8POE-LITIO

It is an outdoor smart box, powered by AC, with power module, charging controller, circuit- breaker, SPD and control unit etc.

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

❖ Picture



❖ Features

- ✧ AC 100~240V input, 50/60Hz,10A;
- ✧ Provide 12V DC 3 channels power output, can remotely control, detect the output voltage and current;
- ✧ Provide controllable AC 1 channel power output, use EU socket;
- ✧ With 8 *10/100/1000M PoE ports and 2*1000M SFP ports switch;
- ✧ The switch provides 2 modes of Default and VLAN to adapt to various complex environments. At the same time, support PoE auto-check function, which is specially designed to solve the problems of equipment frozen.
- ✧ The box adopts waterproof, anti-rust treatment, suitable for long time outdoor use;
- ✧ With software platform, can check and control remotely.

❖ Hardware specification

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Box:

Parameter	Specifications
AC input	AC 100~240V input, 50/60Hz,10A
Battery	DC12V battery (customer provided)
DC output	Controllable 12V DC output 3 channels, maximum 3A per channel, total 60W; With backup power
AC output	Controllable output 1 channel, The output voltage is the same as the input voltage. Use EU socket, no backup power
Power module	AC 100~240V input, DC 52V output, 300W
Charging controller	The max input voltage: 100V, Support battery: DC12V/24V; Charging current :20A max.
Booster	DC12V to DC53V converter, 200W
Circuit breaker	AC 1P+N 16A RCD*1 DC 2P 10A MCB*1
SPD	AC 1P 20KA
RS232	Standard RS232 interface
RS485	Standard RS485 interface
Alarm input	3 channels, dry-connector input channel 1 is default for the door open/closed detected;
10/100 network port	1*10/100Base-TX
Reset key	>5s press recovery to factory default
Screen	2.4 inches, 320*240, no touch
Waterproof connector	M25*4+PG7*4
Working temperature	-20℃~70℃
Storage temperature	-40℃~85℃
Humidity	0~95%(No condensation)
Dimension(H×W×D)	450mm×380mm×220mm
Material	Metal
Color	White
Net-weight	12KG

Switch:

Parameter	Specifications
Consumption	Self consumption<5W, PoE output 180W max.
Downlink ports	Ports 1~8 10/100/1000Base-T 30W PoE RJ45(IEEE 802.3af/at)
Uplink ports	Ports 9~10 1000Base-X SFP
Working mode	Default mode: normal switch mode. VLAN mode: ports 1 ~ 8 are isolated from each other and can only communicate with the

	uplink port; restrain the network storm; turn off the flow control.
Cable and distance	Use cat5e/6，100m max.(Extend mode max.250m)
Switch fabric	20Gbps
Though put	14.88Mpps
Buffer	1M
MAC address table	8K
Indicator	Power: 1 *red ; Downlink1~8: On RJ45 green LEDs indicate Link/Act,yellow LEDs indicate PoE Uplink 9~10: green LEDs indicate Link/Act

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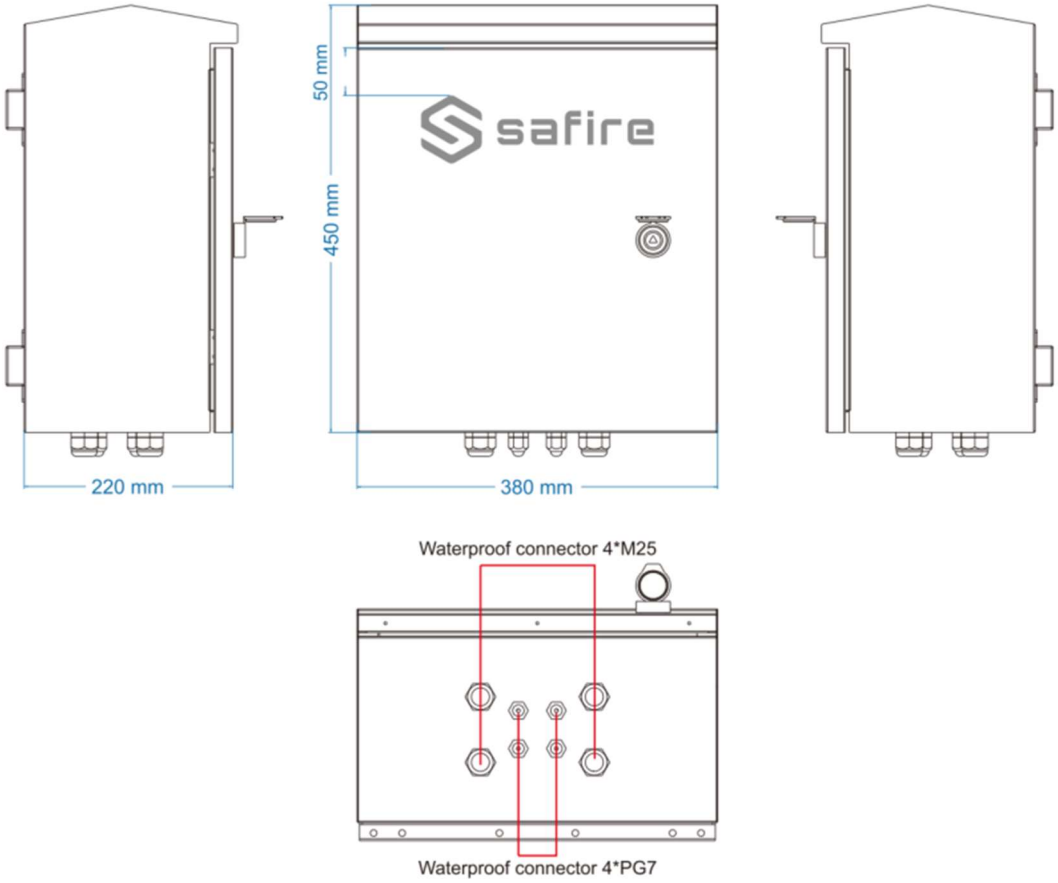
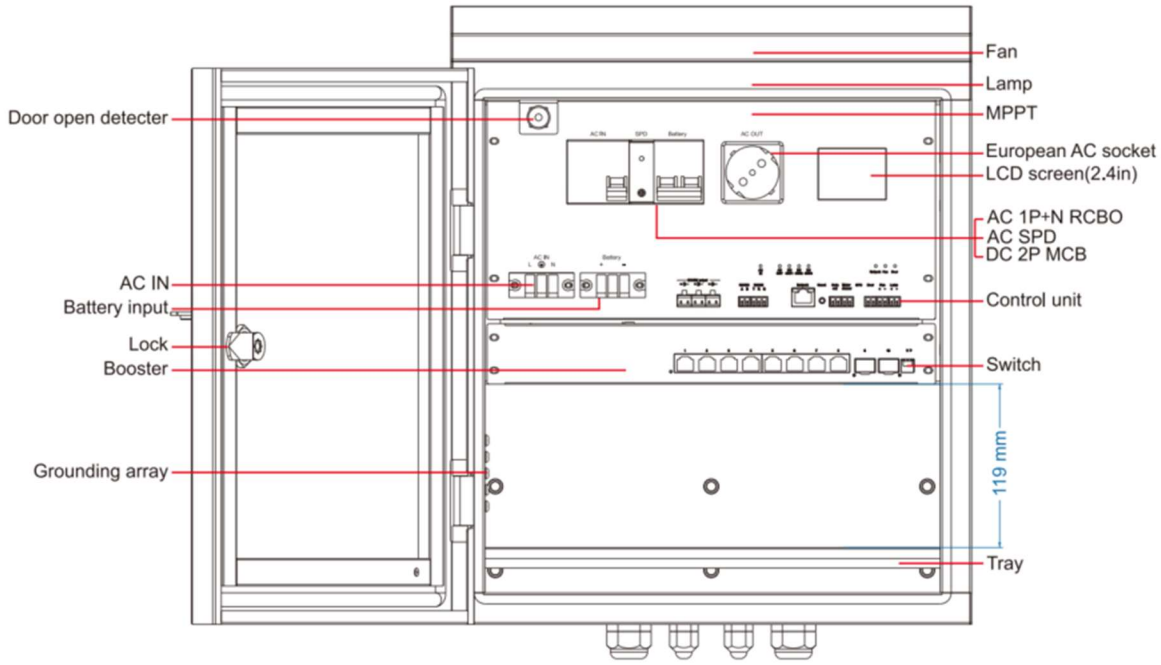
❖ Structure





❖ Ordering information

Version	Describe
SF-BOX4538AC8POE-LITIO	Outdoor smart box, 450*380*220mm, metal; AC 100~240V input, 50/60Hz,10A; Power module; Charging controller; Control unit; Provide controllable AC 1 channel and 12V DC 3 channels power output; With 8 *10/100/1000M PoE ports and 2*1000M SFP ports switch; Storage battery: DC12V(customer provided); Circuit-breaker and surge protector.