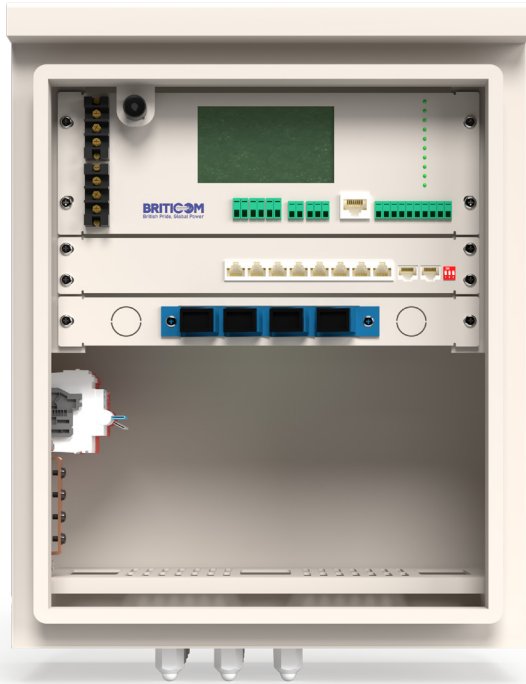




Fibre Management

Solar Powered Smart Box Series 5 inch screen - Model 02



Product Description

Introducing the Solar Powered Smart Box Series Model 02, a cutting-edge outdoor solution designed for solar energy utilization in monitoring applications. Powered by a solar battery, this smart box features an MPPT controller, PoE switch, circuit breaker, and surge arrester for reliable performance.

With the capacity to accept solar power input under 100VDC, it provides three channels of remotely controlled DC power output, along with monitoring for voltage and current. It supports two PoE ports at 90W each and six at 30W each, ensuring versatile connectivity.

Built with L2 management features and a waterproof, anti-rust design, the Solar Powered Smart Box Model 02 is perfect for long-term outdoor use. Its software platform allows for remote monitoring and control, making it ideal for surveillance and forest monitoring applications. Harness the power of solar technology with this reliable outdoor solution.

Technical Parameters

Solar input	Solar battery input, <100VDC (must greater than storage battery voltage)
Battery	DC12V (customer provide)
DC output	DC output 3 channel, can detect voltage and current
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
MPPT controller	Battery voltage: 12V/24V/Auto
	Solar input voltage: <100V
	MPPT efficiency: >99%
	Rated discharge current: 20A
Working temperature	-20°C~ 70°C
Storage temperature	-40°C~85°C
LCD screen	Size: 5# Size: 108mm(L)*64.8mm(W), Resolution ratio: 800*480, with touch-control
Humidity	0~95%(No condensation)
Dimension(H*W*D)	500mm*380mm*220mm
Material	Metal
Colour	White
Net-weight	15KG

To Order

Ordering information on page 2.





Switch Specifications

Consumption	Self-consumption<15W
Downlink ports	1~8 ports: 10/100/1000Base-T 30W PoE RJ45(IEEE802.3af/at)
Uplink ports	Ports 9~10: 1000Base-X SFP
Console port	RJ45 to serial port (38400,8,N,1)
Reset key	Short press restart , >5s press recovery to default
Cable and distance	Use cat5e/6, 100m max.
Standard	IEEE802.3, IEEE802.3u, IEEE802.3z
Switch fabric	20Gbps
Through put	14.88Mpps
Buffer	1M
MAC address table	8K
Indicator	Power: 1 *red ; Downlink 1~8: On RJ45 green LEDs indicate Link/Act, yellow LEDs indicate PoE Uplink9, 10: On RJ45 green LEDs indicate Link/Act

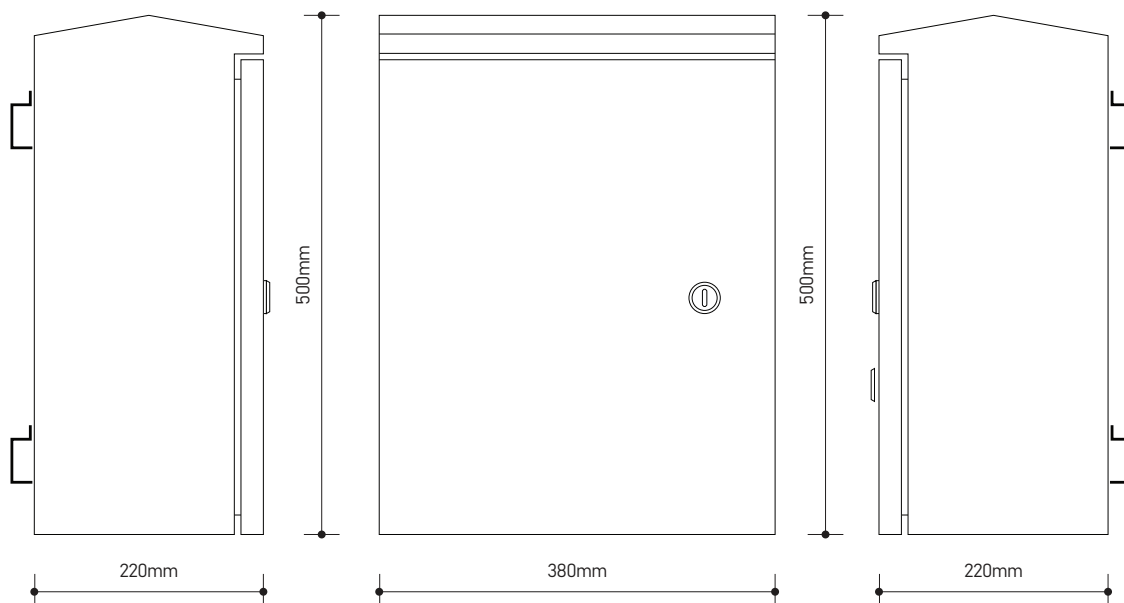
Features & Benefits

- Accepts solar power input with a voltage of less than 100VDC.
- Provides three channels of DC power output that can be remotely controlled, with capabilities to monitor output voltage and current.
- Supports eight PoE RJ45 ports (10/100/1000M) and two SFP uplink ports (1000M).
- Features L2 management capabilities, including QoS, VLAN, MSTP, multi-broadcast, port management, and PoE management.
- Includes an MPPT controller for connecting solar batteries and charging the storage battery.
- Constructed with waterproof and anti-rust treatments, making it ideal for long-term outdoor use.
- Comes with a software platform for remote monitoring and control.

Applicable scenarios

- Remote Areas: Powering locations without grid access, such as rural communities or research stations.
- Telecommunications: Supporting remote communication towers and equipment.
- Solar Farms: Enhancing energy management in solar setups
- Outdoor Installations: Providing power for outdoor security cameras and IoT devices.
- Disaster Recovery: Quickly deploying power solutions in emergencies.
- Transport Hubs: Energizing equipment at bus stops or train stations.
- Industrial Sites: Powering tools in remote construction or industrial operations.
- Smart City Projects: Supporting smart infrastructure like streetlights and monitoring stations.
- Agriculture: Powering irrigation systems and monitoring devices in the field.

Structure

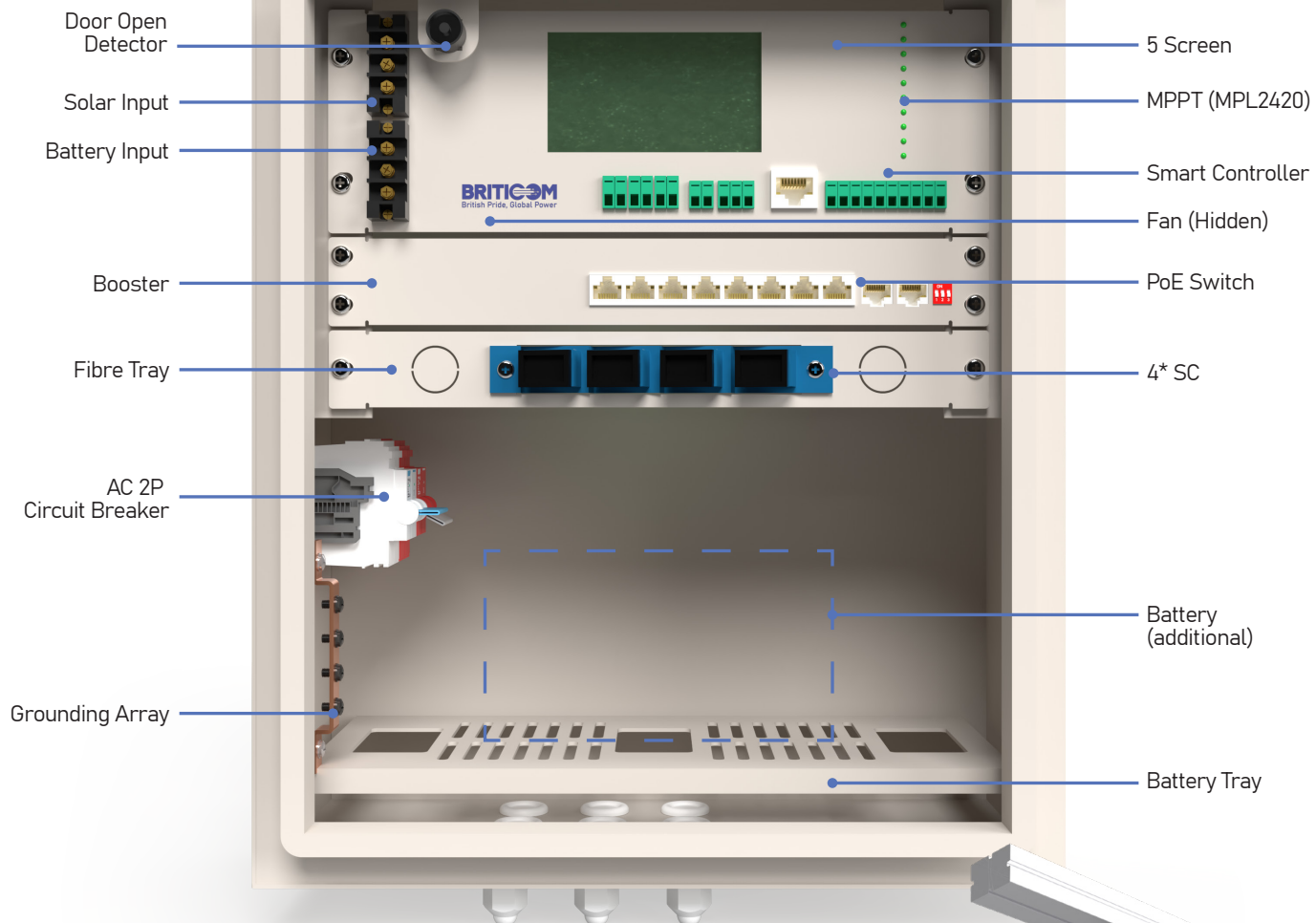


To Order

To place an order, use the contact details below.



A look inside



Example Part Number

Description

Solar Powered Smart Box Series - 5 inch screen 500mm×380mm×220mm - Model 02

Part Number

SPOMSBM2

To Order

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