

# BIQU804PG2F-2\*100WSP

## Outdoor smart solar powered box



### Ideal for:



Telecom



Hotels & Resorts



Universities



Healthcare



Public Places



Airport



Transport



Industries

## OVERVIEW

It is an outdoor smart solar powered box, powered by solar& battery, with MPPT controller, PoE switch, circuit-breaker, surge protector, door sensor, Fan, Lamp, Fiber tray, Smart controller, 5inch touched screen inside.

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

## FEATURES

- Solar power input, input <100VDC;
- Provide 3 channel DC 12v power output, can remotely control, detect the output voltage and current;
- Switch with 4\*10/1000M PoE downlink ports and 2\*1000M SFP ports;
- With MPPT controller, connected the solar battery and charge the storage battery ;
- The box adopts waterproof (protection level IP66), anti-rust treatment, suitable for long time outdoor use.
- With software platform, can check and control remotely.

## HARDWARE SPECIFICATIONS

Box:

Parameter	Specifications
Solar input	Solar battery input, <100VDC (must greater than storage battery voltage)
Battery	DC12V LiFePO4 Battery (customer provide)
DC output	DC 12V output 3 channel, can detect voltage and current (max 3A /channel)
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;
Fiber tray	4*LC
Waterproof connectors	4*PG7+4*M25
Smart controller	With strong software function, can remotely control and check the Box status
10/100 network port	1*10/100Base-TX
Reset key	>5s press recovery to factory default
MPPT controller	Battery voltage: 12 V LiFePO4 Battery charging parameter setting as default
	Solar input voltage: <100V
	MPPT efficiency: >99%
	Rated discharge current: 20A
LCD screen	Size:108mm(L)*64.8mm(W), Resolution ratio:800*480, with touch-control

# BIQU804PG2F-2\*100WSP

## Outdoor smart solar powered box



Connectors	4*PG7+4*M25
Working temperature	-20°C~70°C
Storage temperature	-40°C~85°C
Humidity	0~95%(No condensation)
Dimension(H×W×D)	560mm×380mm×220mm
Material	Metal
Colour	White
Net-weight	15KG

### Switch :

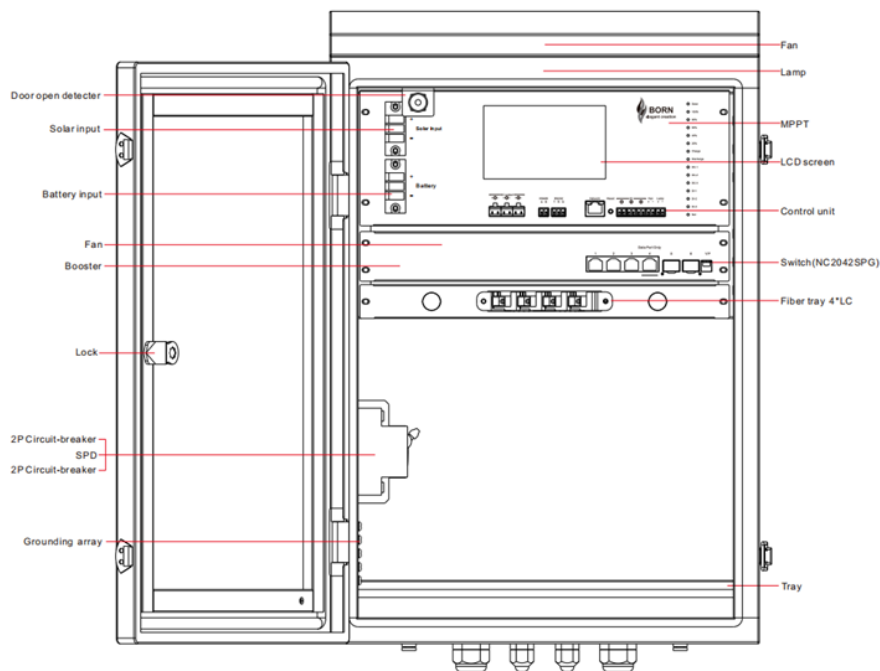
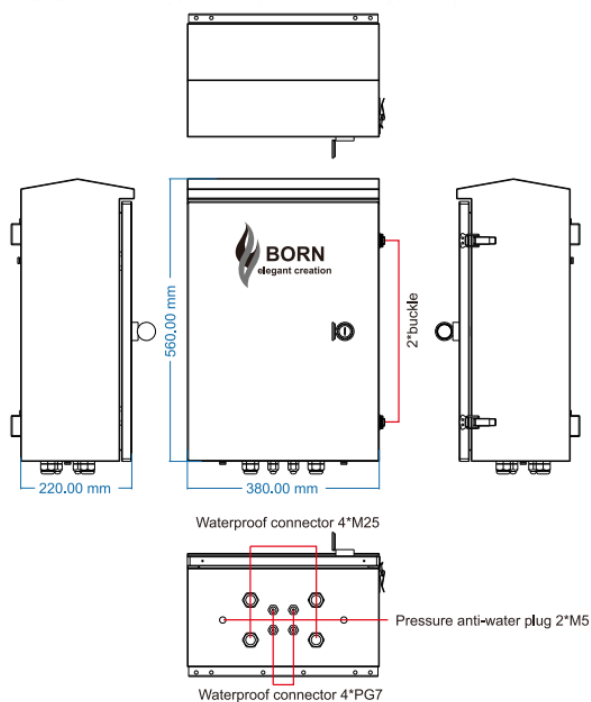
Parameter	Specifications
Consumption	Self consumption<15W
Downlink ports	1~4 ports: 10/100/1000Base-TX 30W PoE RJ45(IEEE802.3af/at)
Uplink ports	5~6 ports: 1000M SFP slots
Working mode	Default mode: normal switch mode. VLAN mode: ports 1 ~ 4 are isolated from each other and can only communicate with the uplink port; restrain the network storm; turn off the flow control.
Standard	IEEE802.3, IEEE802.3u, IEEE802.3z
Switch fabric	14Gbps
Though put	10.416Mpps
MAC address table	2K
Indicator	Power: 1 *red; Uplink5, 6: On RJ45 yellow and green LEDs indicate Link/Act Downlink 1~4: On RJ45 green LEDs indicate Link/Act, yellow LEDs indicate PoE
Protection	Surge: 6KV, standard: IEC61000-4-5 ESD: 6KV: contact / 8KV: air, standard: IEC61000-4-2

# BIQU804PG2F-2\*100WSP

Outdoor smart solar powered box



## STRUCTURE



## ORDERING INFORMATION

Version	Describe
BIQU804PG2F-2*100WSP	Outdoor smart solar powered box Solar <100V input; 4*10/100/1000M PoE ports +2*1000M SFP ports switch; MPPT controller; control unit; Provide3 channelDC 12V power output; Storage battery type: DC12VLiFePO4 type(customer provide); Circuit-breaker and surge protector; 1x5 inch touch screen;



# 337 Forest Road,  
London, United Kingdom

+44 7859 571344



info@bornelectronics.com



<https://bornelectronics.com/>