

# BIQU802B6PGM2F-2\*200WSP

## OUTDOOR PoE SWITCH



### Ideal for:



Telecom



Hotels & Resorts



Universities



Healthcare



Public Places



Airport



Transport



Industries

### OVERVIEW

It is a solar powered outdoor PoE switch, powered by solar battery, with MPPT controller, PoE managed switch, circuit-breaker, surge protector Inside.

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

### FEATURES

- Solar power input, input<100VDC;
- Switch with 8\*10/100/1000M PoE downlink ports and 2\*1000M SFP uplink slots;
- Supports 2 ports PoE power each up to 90W, 6 ports PoE Power each up to 30W
- Support L2 management, such as QS, VLAN, MSTP, Multi-broadcast, Ports management and PoE management;
- With MPPT controller, connected the solar battery and charge the Storage battery;
- The box adopts waterproof, anti-rust treatment, suitable for long Time outdoor use

### PICTURE



# BIQU802B6PGM2F-2\*200WSP

## OUTDOOR PoE SWITCH



### HARDWARE SPECIFICATION

Box:

|                     |                                                                          |
|---------------------|--------------------------------------------------------------------------|
| Solar input         | Solar battery input, <100VDC (must greater than storage battery voltage) |
| Battery             | DC12V (customer provide)                                                 |
| Booster             | DC12V to DC48V                                                           |
| Fan                 | DC12V input                                                              |
| Lamp                | DC12V input                                                              |
| 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                                                               |
| Humidity            | 0~95%(No condensation)                                                   |
| Dimension(H×W×D)    | 500mm×380mm×220mm                                                        |
| Material            | Metal                                                                    |
| Colour              | White                                                                    |
| Net-weight          | 14KG                                                                     |

Switch:

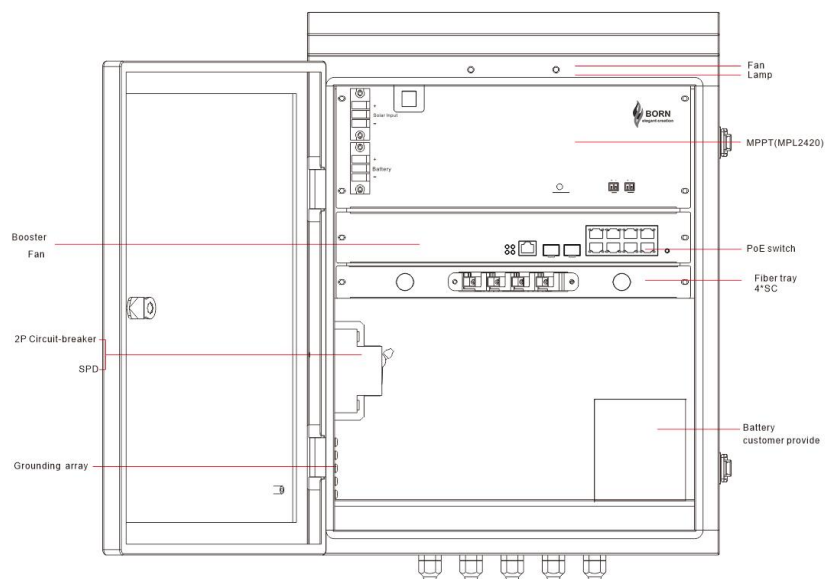
| Parameter          | Specifications                                                                                                                                    |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Consumption        | Self-consumption<15W                                                                                                                              |
| Downlink ports     | 1~2ports: 10/100/1000Base-T 90W PoE RJ45(IEEE802.3bt,also support IEEE 802.3 af/at )<br>3~8 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                                                                                                                                            |
| Though put         | 14.88Mpps                                                                                                                                         |
| Buffer             | 1M                                                                                                                                                |

# BIQU802B6PGM2F-2\*200WSP

## OUTDOOR PoE SWITCH



### STRUCTURE



# Outdoor smart solar powered box catalog

It is an outdoor smart solar powered box, powered by solar battery, with MPPT controller, PoE switch, circuit-breaker, SPD inside. It can be applied for surveillance monitoring, forest monitoring, etc.





# One box is enough



MPPT



SPD



Circuit breaker



PoE Switch



Smart control unit



Fiber tray



Booster



Heat controller



Platform software



Water detector



Rain sensor



Smoke detector



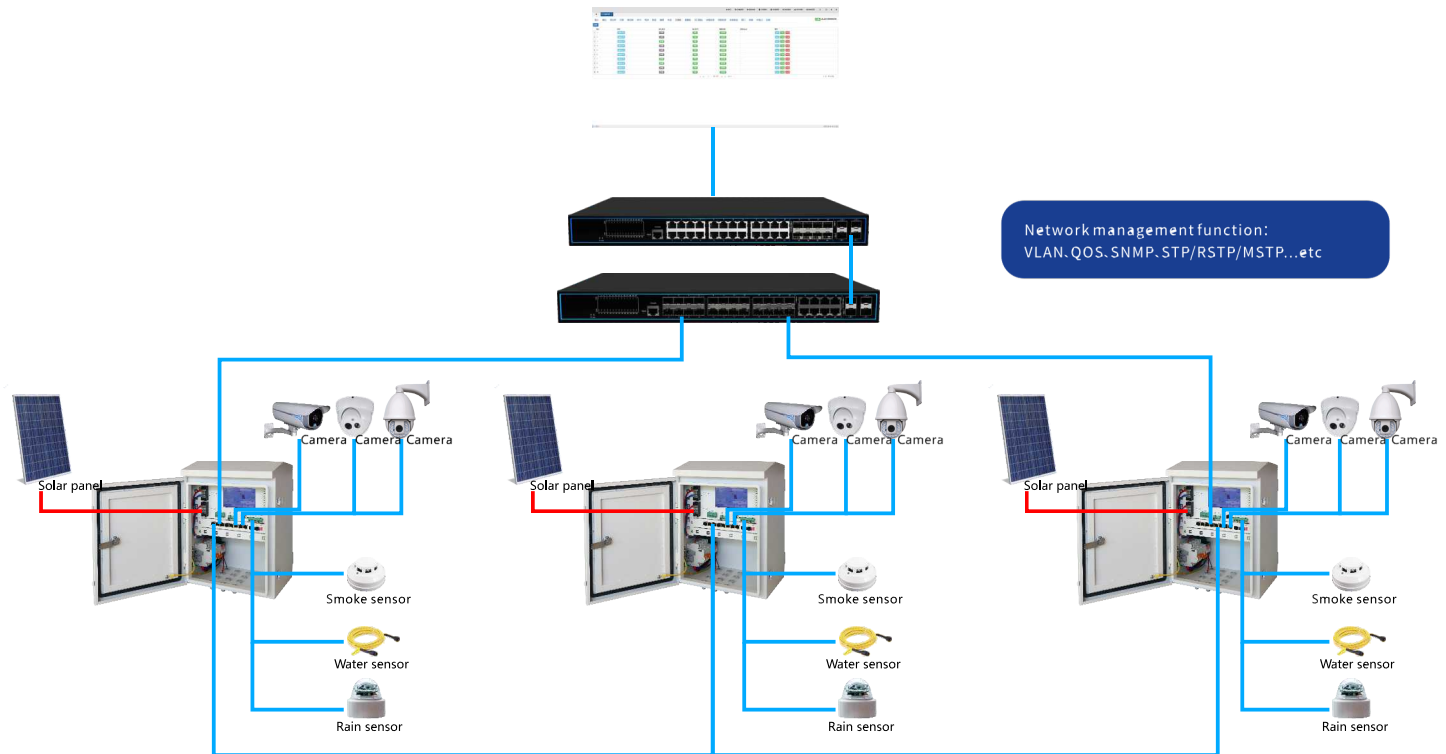
waterproof box



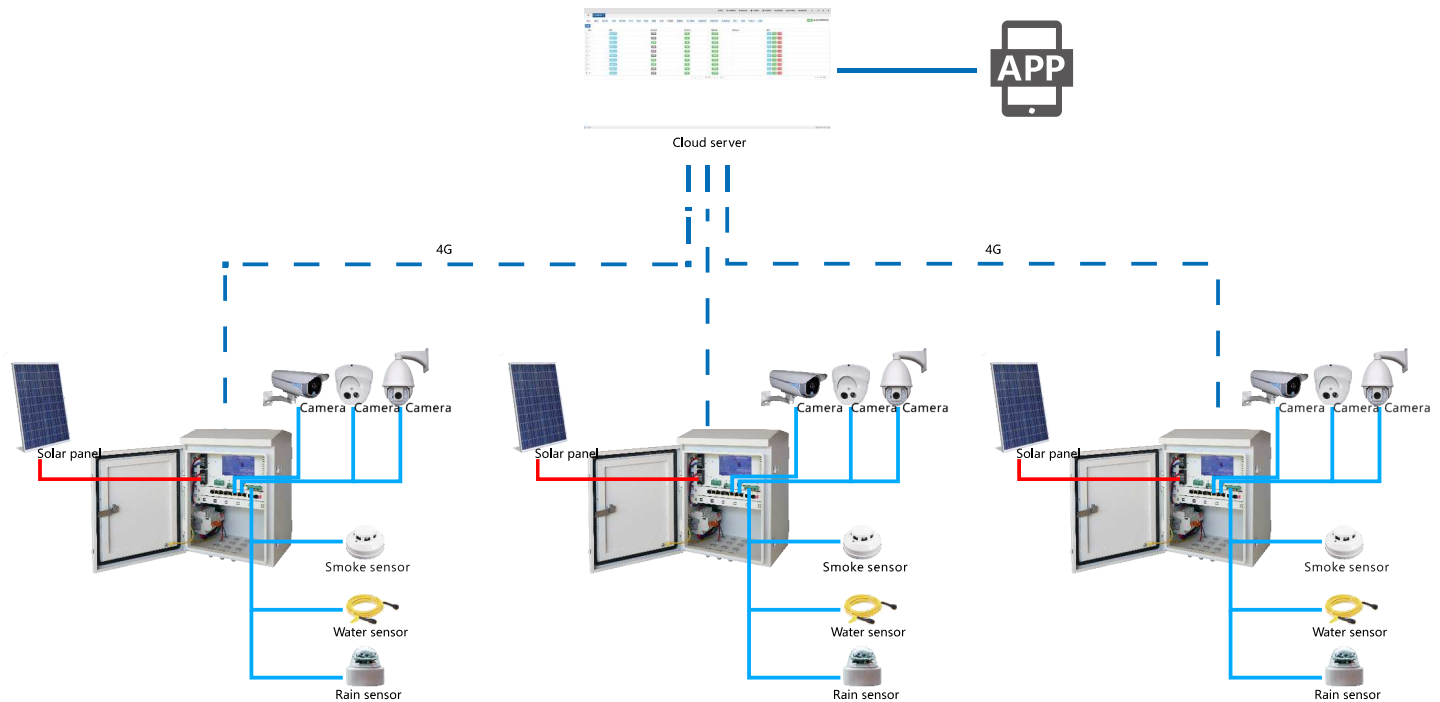
# Only need solar and battery



# Topology (Optical Fiber Transmission)

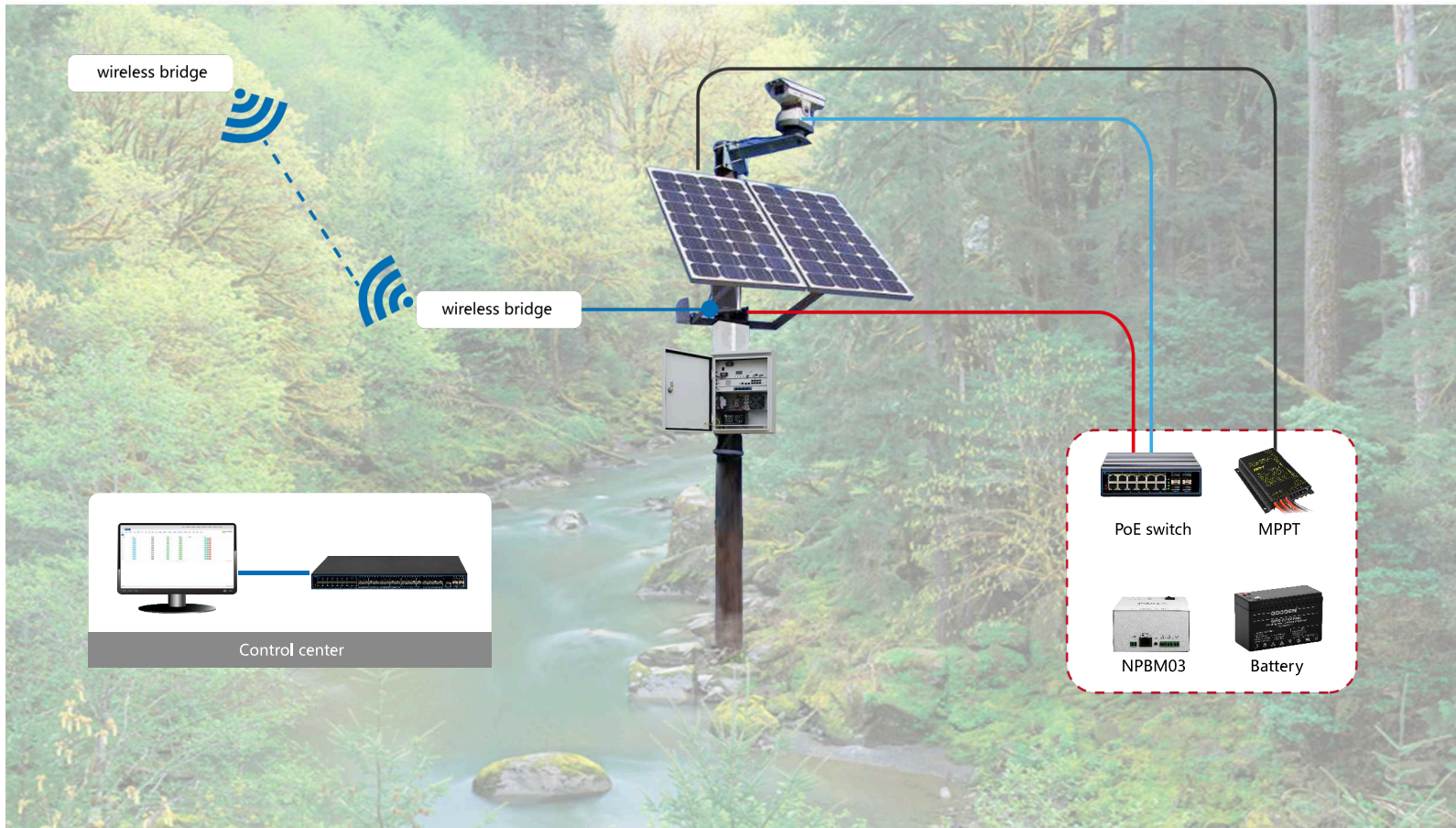


# Topology (4G wireless Transmission)





# Forest River Solutions





## BIQU802B6PGM2F-2 200WSP



|                |                                                                                                                                                                   |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Box            | Metal, 500(H)*380(W)*220(D)mm, IP66                                                                                                                               |
| Network switch | 8*10/100/1000M Base-TX PoE(2*90W, 6*30W), 2*1000M SFP, L2-managed                                                                                                 |
| MPPT           | Solar input: <100V 260W/12V or 520W/24V,<br>charging current: 20A max.,<br>load current: 20A max.,<br>battery system voltage: 12V or 24V,<br>MPPT efficiency: 99% |
| Battery        | DC12V lead-acid or Lithium battery, customer provide                                                                                                              |

# BIQU802B6PGM2F-2\*200WSP

## OUTDOOR PoE SWITCH



### ODERING INFORMATION

| <u>Version</u>          | Describe                                                                                                                                                                                                                                                  |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BIQU802B6PGM2F-2*200WSP | Outdoor smart solar powered box<br>Solar <100V input;<br>L2 managed switch, 8*10/100/1000M PoE ports +2*1000M SFP;<br>MPPT controller;<br>Storage battery type: DC12V, Pb acid or Lithium type(customer provide);<br>Circuit-breaker and surge protector; |



# 337 Forest Road,  
London, United Kingdom



+44 7859 571344



[info@bornelectronics.com](mailto:info@bornelectronics.com)



<https://bornelectronics.com/>