

# EBU-120

## External Battery Backup Unit



External Battery Backup Unit With  
Charger for 12V VRLA Battery

### Features

- **Redundancy Backup Power**  
Provide a redundancy feature to changeover power source from power adaptor to external battery during power outage and extend the operating time to process the necessary or exception activities.
- **Battery Recharging**  
Via recharge function, the external battery could be always full-state to face the next unexpected power cut.
- **Circuit Protection**  
Support a protection mechanism to avoid damage due to incorrect installation or operation.
- **Diagnostic LED Indicator**  
LED indicator located on the top panel displays immediate status of the external battery backup unit.

### Description

The external battery backup unit, EBU-120, is an optional compact device that is capable of connecting external battery with a switch to reach power redundancy. That is, EBU-120 is rendered a bridge between battery and switch. Upon power failure, the external battery actuates automatically with supplying 12V DC power. After power source from adaptor is restored, EBU-120 would change over the power source from battery to adaptor and recharge the battery immediately.

EBU-120 also designed with a protection mechanism to avoid damage due to incorrect installation or operation, such as polarity reverse or short circuit. Moreover, the condition of battery is fairly clear via LED indicator showing its immediate status.

### Specification

#### Interface:

- 1 x Power Jack
- 1 x Power Cord
- 2 x Terminal Block (Positive & Negative)

#### Power Requirement

- DC Input: (Power Jack)
- 12V (from AC-to-DC Power Adaptor)
- DC Output: (Power Cord)
- 11.5V (Supplied by AC-to-DC Power Adaptor)
- 10.8~ 13.5V (Supplied by External Battery)

#### External Battery Requirement

- Connector: Terminal Block
- Type: VRLA
- Capacity: 12V/2.3Ah

#### Battery Charging/Backup Feature

- Charging Current: 400mA (max.)
- Charging Time: 7 hr
- Backup Time:
- 2.3hr for VRGIII-31412-N
- 2.2hr for HES-3109SSFP
- Protection:
- Reverse Polarity
- Short Circuit

#### LED Indication

- Charging/Full Indication: Green
- Discharging Indication: Orange

#### Environmental Condition

- Operation: 0°C~ 50°C
- Storage: -20°C ~ 60°C
- Humidity: 5% ~ 90%, Non-condensing

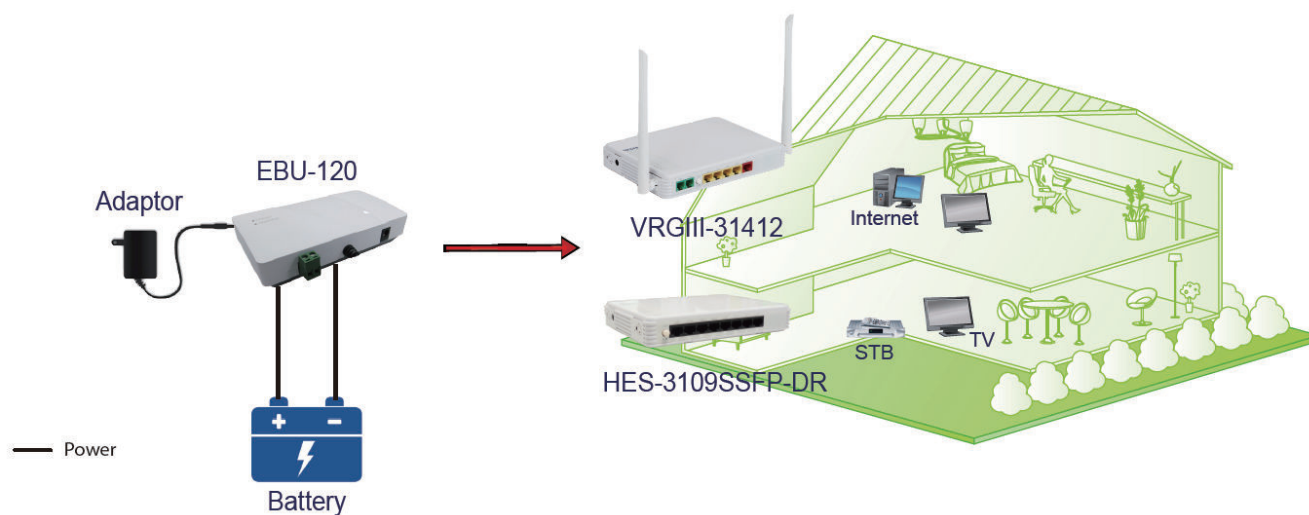
#### Dimension

124 x 70 x 30mm (WxDxH)

#### Weight

0.17Kg

## Application Diagram



## Order Information

### EXTERNAL BATTERY BACKUP UNIT

Model	DC INPUT	EXTERNAL BATTERY		
		Type	Capacity	Charging Current (max.)
EBU-120	12V	VRLA	12V/2.3Ah	400mA