

PRODUCT OVERVIEW

EV-BP Series Battery Protectors ensure protection between your PV grid and your energy storage system.

FEATURES

- **FOR OFF-GRID APPLICATIONS** - Can be connected to both PV battery and multiple loads. Multiple load operating modes meet diverse needs.
- **INTELLIGENT** - Supports multiple battery types. Highly integrated, help save space and wire.
- **USER-FRIENDLY** – Easy to install and simple to use. Includes large LCD screen.
- **RELIABLE** – Equipped with dual MOS anti-backflow circuits. Supports TTL communication for standard modbus protocol.
- **SAFETY** – Complete multi-stage PWM charging management. 360 degrees of security from hardware to software.
- **COMMUNICATION** – Exclusive li-ion batter BMS dual activation. Supports Bluetooth and mobile app.

APPLICATIONS

- Off-grid PV systems.
- Home power storage.



Product Description

PART#	DESCRIPTION	RATED CURRENT	VOLTAGE RANGE	MAX VOLTAGE
EV-BP4860N25	Battery Protector	60A	8V-70V	250V
EV-BP4885N25	Battery Protector	85A	8V-70V	250V
EV-BP48100N25	Battery Protector	100A	8V-70V	250v

Specifications

MODEL#	EV-BP4860N25	EV-BP4885N25	EV-BP48100N25
BATTERY			
Rated Battery Voltage	12/24/36/48Vdc		
Operating Voltage Range	8V-70V		
Maximum System Voltage	250V		
Rated Current	60A	85A	100A
COMMUNICATION			
Standard	TTL communication		
Optional	Bluetooth		
GENERAL			
Weight	850g (1.87lb)	950g (2.09lb)	1050g (2.31lb)
Dimensions	149*96.5*60mm	166*96.5*60mm	183*96.5*60mm
Protection Degree	IP65		
Operating Temperature Range	-35°C ~ 65°C (-31°F ~ 149°F)		
Cooling Mode	Natural heat dissipation		
CERTIFICATION			
RoHS	Yes		

Wiring Diagram

