# Upgrade
# Save More

**High Compatiability**

**IP65**

**High Efficiency**

**Remote Upgrade**

# BP Series
## DC-Coupled Retrofit Solution

**2.5KW**

The GoodWe BP is a DC-coupled retrofit battery management system which offers PV plant owners the opportunity to integrate a battery storage solution to their existing installation. Compatible with most brands of single phase on-grid inverters, the BP Series intelligently manages the PV yield of a system allowing generated electricity to be directed within the home, fed to the grid or used to charge battery storage devices.

# Technical Data

| Model | Max. Charging Current (A)[*1] | Max. Discharging Current (A)[*1] | Max. Input Current (A) | Rated Output Voltage at Night (V) |
|---|---|---|---|---|
| GW2500-BP | 50 | 50 | 25 | 360 |

| Model | Nominal Battery Voltage (V) | Max. DC Input Power (W) | Output Voltage Range (V) | Max Output Current (A) |
|---|---|---|---|---|
| GW2500-BP | 48 | 6000 | 250~360 | 10 |

### Battery Input Data

| | |
|---|---|
| Battery Type | Li-Ion |
| Max. Charging Voltage (V) | ≤60 (Configurable) |
| Battery Capacity (Ah) | 50~1000 |
| Charging Strategy | Self-adaption to BMS |

### DC Output Data

| | |
|---|---|
| Output Voltage during Daytime | Follow the MPP Tracker of Inverter |
| No. of DC Output Connectors | 1 |

### Efficiency

| | |
|---|---|
| Max. Efficiency | 96.5% |

### Protection

| | |
|---|---|
| PV String Input Reverse Polarity Protection | Integrated |
| Battery Over&Low Voltage Protection | Integrated |
| Output Over Current Protection | Integrated |
| Output Short Protection | Integrated |

### Certifications & Standards

| | |
|---|---|
| Safety Regulation | CE |
| EMC | CE |

### PV String Input Data

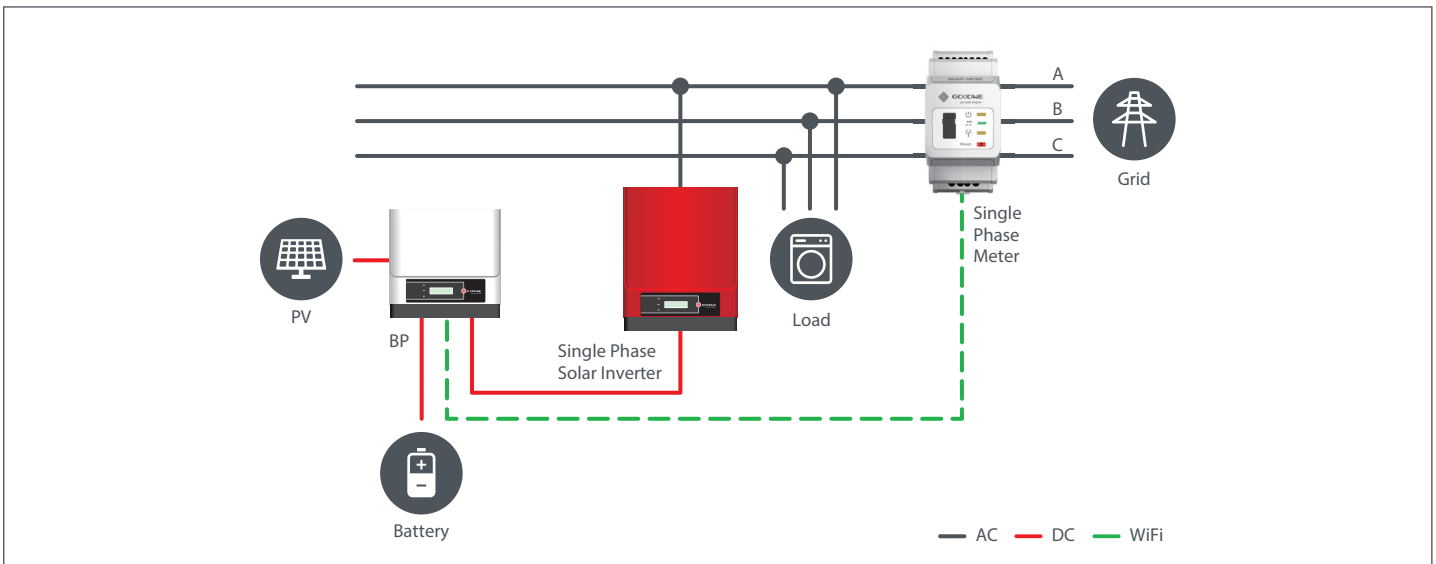| | |
|---|---|
| Max. DC Input Voltage (V) | 500 |
| Operating Voltage Range(V)[*2] | 150~450 |
| Start-up Voltage (V) | 120 |
| No. of PV String Input Connectors | 1 |

### General Data

| | |
|---|---|
| Operating Temperature Range (℃) | -25~60 |
| Relative Humidity | 0~95% |
| Operating Altitude (m) | ≤4000 |
| Cooling | Natural Convection |
| Noise (dB) | <25 |
| User Interface | LED & APP |
| Communication with BMS[*3] | RS485; CAN |
| Communication with Meter | RS485 |
| Communicaiton with Portal | Wi-Fi |
| Weight (kg) | 8 |
| Size (Width*Height*Depth mm) | 344*274.5*128 |
| Mounting | Wall Bracket |
| Protection Degree | IP65 |
| Standby Self Consumption (W) | <8 |
| Topology | High Frequency Isolation |



*1: Charge & discharge current follows the command of BMS which doesn't exceed 50A. Note: Pylon US2000A default charge rate is 0.5C. C means the battery capacity, such as the capacity is 50Ah, default charge current 0.5C is 0.5 * 50 = 25A
*2: PV voltage should be lower than 9* V_Battery - 20V (V_Battery means real-time voltage of battery) to allow battery charge or discharge.
*3: The standard configuration is CAN.