



**GOODWE**  
YOUR SOLAR ENGINE

# 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

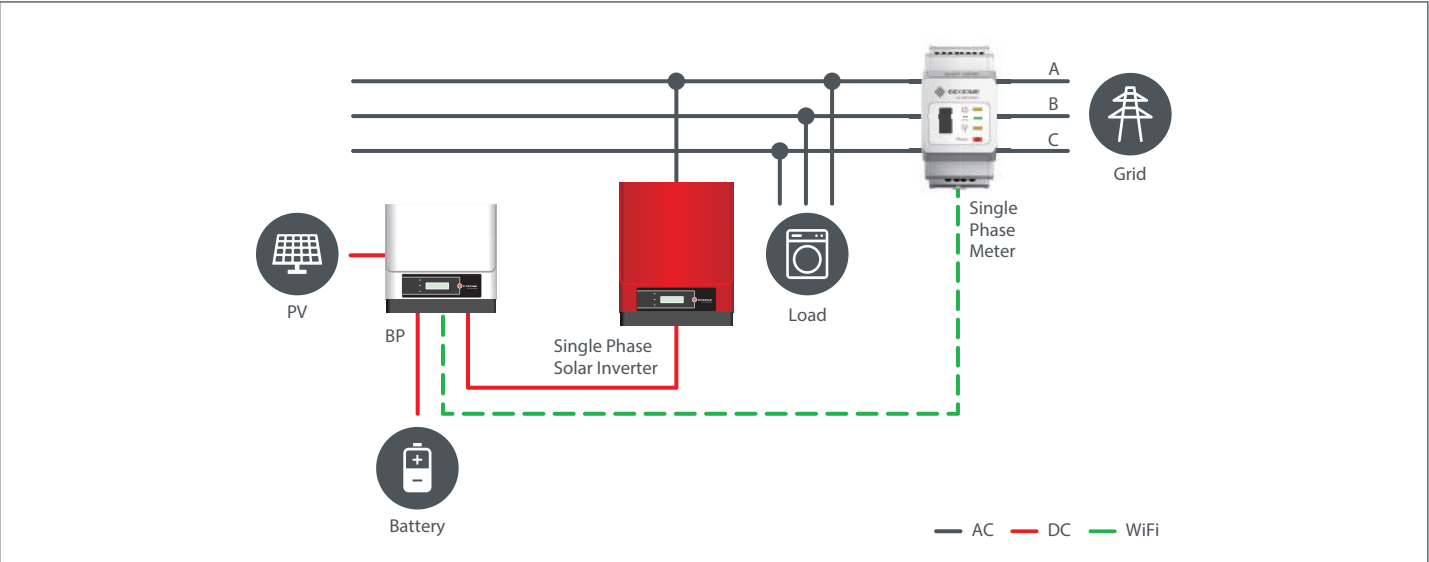
Efficiency	
Max. Efficiency	96.5%

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 (°C)	-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
Communication 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.