



## BP Series

The GoodWe BP series DC-coupled battery storage retrofit device is compatible with most single-phase on-grid inverters. Ordinary PV stations can be upgraded to PV energy storage systems with the addition of a BP retrofit device. During daytime, the PV system generates electricity which can be firstly provided to the loads. Then the excess energy will charge the battery via the BP retrofit device. During the night, battery discharges via BP retrofit device, then electricity will be provided to the loads via PV inverter. The GoodWe BP series improves self consumption ratio greatly.

- Normal on-grid system equipped with storage function
- Intelligent battery management function
- BMS communication integrated
- Nominal 48V battery, secure and reliable
- Easy access to single-phase on-grid system
- Higher self-consumption ratio
- IP65 protection class
- Up to 10 safety measurements
- Max. Battery Charge efficiency 96%
- Fanless low-noise design
- 45°C full-load output

## Technical Data

### GW2500-BP

PV input	
Max. PV input power [W]	6000
Max. PV input voltage [V]	600
Working voltage range [V]	150~500
Max. PV input current [A]	25
No. of PV input & output connectors	1/1
PV connector	MC4/ Phoenix/ Amphenol
Battery	
Battery Type	Lead-acid or Li-Ion
Normal Voltage [V]	48
MAX Charge Voltage [V]	60 (configurable)
MAX Discharge/Charge current [A]	50/50
MAX Discharge/Charge power [W]	2500/2500
Battery capacity [Ah]	50~1000
Charging curve	3-stage adaptive with maintenance
BP output (without PV)	
Rated output voltage [V]	360
Output voltage range [V]	250~360
Max output current [A]	10
Protection	
Battery over & low voltage protection	Integrated
Over current protection	Integrated
Output current short protection	Integrated
Efficiency	
Max. Battery Charge efficiency	96.0%
Max. Battery Discharge efficiency	96.5%
Certifications & standards	
Safety/EMC	CE
General data	
Dimensions (WxHxD) [mm]	344*274.5*128
Weight [kg]	8
Mounting	Wall bracket
Ambient temperature range	-25~60°C(>45°C derating)
Relative humidity	0~95%
Max. operating altitude	4000m(>3000m derating)
Protection degree	IP65
Topology	High frequency insulation
Standby losses [W]	<8
Cooling	Nature convection
Noise emission [dB]	<25
Display	LCD & LED light
Communication	Wi-Fi; Ethernet
Standard warranty [years]	5