



# 51.2V LiFePO4 Home Battery Storage Bluetooth & LCD Stack-mounted Series -100Ah/ 200Ah/ 280Ah/ 340Ah



# Technical Specification



Model

**GW48100PSBD**

**GW48200PSBD**

**GW48280PSBD**

**GW48340PSBD**

## BATTERY

Cell Type	Prismatic Lithium Iron Phosphate (LiFePO4)			
Nominal Voltage	51.2V			
Rated Capacity	100Ah	200Ah	280Ah	340Ah
Nominal Energy	5.1kWh	10.2kWh	14.3kWh	17.4kWh
Internal Resistance	≤80 mΩ			
BMS	100A	200A		
Communication	Bluetooth/ RS485/ CAN			
Active Balancing Current	1A	2A	2A	2A
Rated Charge Current	50A	100A	100A	100A
Max. Charge Current	100A	200A	200A	200A
Rated Discharge Current	50A	100A	100A	100A
Max. Discharge Current	100A	200A	200A	200A
Peak Discharge Current	200A ≤ 3s	400A ≤ 3s	400A ≤ 3s	400A ≤ 3s
Discharge Cut-off Voltage	40V			
Cycle Life	≥6000 at 80% DOD	≥8000 at 80% DOD		
Max. Expansion	15P (In Parallel)			
Dimensions (L*W*H)	15.1*21.3* 6.3 in (384*541*160mm)	22.5*16.1*9.5 in (572*410*240mm)	28.7*17.3*9.5 in (730*440*242mm)	
Weight	103lb (47kg)	200lb (91kg)	249lb (113kg)	255lb (115.8kg)
Display	Touch LCD Screen			
Protection Class	IP20			
Warranty	5-Year			



<b>Model</b>	<b>GW48100PSBD</b>	<b>GW48200PSBD</b>	<b>GW48280PSBD</b>	<b>GW48340PSBD</b>
--------------	--------------------	--------------------	--------------------	--------------------

## CHARGE

<b>Charge Method</b>	CV/CC		
<b>Charge Voltage</b>	58.4V		
<b>Recommend Charge Current</b>	≤50A		≤100A

## TEMPERATURE

<b>Charge</b>	<55°C / <131°F		
<b>Discharge</b>	<55°C / <131°F		
<b>Storage</b>	25°C / 77°F		