



# 51.2V LiFePO4 Home Battery Storage Bluetooth & LCD Stack-mounted Series

-100Ah/ 200Ah/ 280Ah/ 340Ah



# Technical Specification



<b>Model</b>	<b>GW48100PSBD</b>	<b>GW48200PSBD</b>	<b>GW48280PSBD</b>	<b>GW48340PSBD</b>
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## BATTERY

<b>Cell Type</b>	Prismatic Lithium Iron Phosphate (LiFePO4)			
<b>Nominal Voltage</b>	51.2V			
<b>Rated Capacity</b>	100Ah	200Ah	280Ah	340Ah
<b>Nominal Energy</b>	5.1kWh	10.2kWh	14.3kWh	17.4kWh
<b>Internal Resistance</b>	≤80 mΩ			
<b>Cycle Life</b>	≥6000 at 80% DOD	≥8000 at 80% DOD		
<b>Max. Expansion</b>	15P (In Parallel)			
<b>Dimensions (L*W*H)</b>	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)	
<b>Weight</b>	103lb (47kg)	200lb (91kg)	249lb (113kg)	255lb (115.8kg)
<b>Display</b>	Touch LCD Screen			
<b>Protection Class</b>	IP20			
<b>Warranty</b>	5-Year			

## BMS

<b>BMS</b>	100A	200A
<b>Communication</b>	Bluetooth/ RS485/ CAN	
<b>Active Balancing Current</b>	1A	2A
<b>Max. Cont. Charge Current</b>	100A	200A
<b>Max. Cont. Discharge Current</b>	100A	200A
<b>Max. Instantaneous Current</b>	100A	200A
<b>Max. Charge Current</b>	100A	200A
<b>Max. Discharge Current</b>	100A	200A
<b>Discharge Cut-off Voltage</b>	40V	



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## CHARGE

<b>Charge Method</b>	CV/CC		
<b>Charge Voltage</b>	58.4V		
<b>Recommend Charge Current</b>	≤100A	≤200A	

## TEMPERATURE

<b>Charge</b>	0°C~45°C / 32°F~113°F		
<b>Discharge</b>	-20°C~60°C / -4°F~140°F		
<b>Storage</b>	-20°C~25°C / -4°F~77°F		