



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

-100Ah 5kWh



# Technical Specification



**Model**

**GW48100PSB**

## BATTERY

<b>Cell Type</b>	Prismatic Lithium Iron Phosphate (LiFePO4)
<b>Nominal Voltage</b>	51.2V
<b>Rated Capacity</b>	100Ah
<b>Nominal Energy</b>	5.1kWh
<b>Internal Resistance</b>	≤80 mΩ
<b>BMS</b>	100A
<b>Communication</b>	Bluetooth/ RS485/ CAN
<b>Active Balancing Current</b>	1A
<b>Rated Charge Current</b>	50A
<b>Max. Charge Current</b>	100A
<b>Rated Discharge Current</b>	50A
<b>Max. Discharge Current</b>	100A
<b>Peak Discharge Current</b>	200A ≤ 3s
<b>Discharge Cut-off Voltage</b>	40V
<b>Cycle Life</b>	≥6000 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)
<b>Weight</b>	103.6 lbs (47kg)
<b>Protection Class</b>	IP20
<b>Warranty</b>	5-Year



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### CHARGE

Charge Method	CV/CC
Charge Voltage	58.4V
Recommend Charge Current	≤50A

### TEMPERATURE

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