

**Hzsolar**

# Wall-mounted DC energy storage battery

**BG51105**



**IP54 protection**  
Corrosion-resistant metal materials



**Safer to Use**  
High-density LiFePO4 battery



**Long battery life**  
≥6000 cycle life (DOD 80%)



**5.3kWh capacity**  
To meet more electricity needs



**Stable & Reliable**  
Advanced BMS management



**Widely Compatible**  
compatible with mainstream inverters

Model		BG48105
<b>Main parameters of the battery pack</b>		
Cell type	LFP	
Nominal voltage	51.2V	
Nominal capacity	105Ah@0.5C	
Maximum number of modules in parallel	15pcs	
Operating voltage range	44V ~ 58.4V	
Nominal energy	5.3kWh	
Charging/Discharge current	Recommended	50A
	Max	100A
	Peak value	120A(3S)
<b>Other battery pack parameters</b>		
Recommended discharge depth	80%	
Size ( W*H*D)	480mm*645mm*155mm	
Weight	48kg	
LCD display screen	LCD segment code screen	
Level of protection	IP54	
Charging temperature	0°C~ 50°C	
Discharge temperature	-20°C~ 60°C	
Storage temperature	0 ~ 45°C	
Humidness	10% ~ 85%	
Atitude	≤3000m	
Cycle life	≥6000 (25°C,0.5C Charging and discharging, 80%DOD)	
Cooling mode	Natural cooling	
Installation mode	Wall-mounted	
Box material	Metal plate	
PCS communication mode	RS485(standard) or CAN	
BMS Parallel communication	RS485	
Working Life	>5years	
Reference standard	GBT36276-2023, UL9540, IEC62619	
Transport standard	UN38.3	