

BlueSpark Series Battery PACK

5.12 kwh Pack Module



Safe & Reliable

Powered by EVE
Human safe low-voltage solution
Optional AFCI



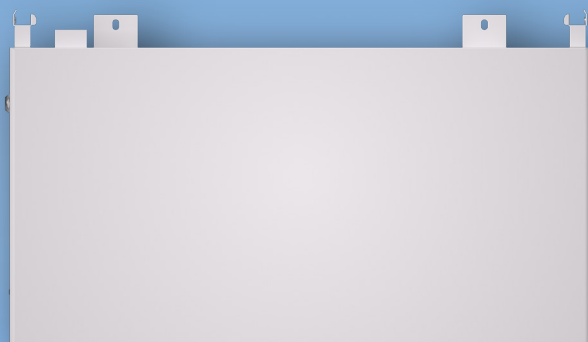
Easy Installation

Stackable design, no wiring required
Compact and space-saving
IP65 rating for protection



Flexible Expansion

Supports both on-grid and off-grid parallel configurations
Max. 8 battery packs per system



Battery Model	BP48100PF1A-G2	BP48100P1A-G2
General Parameters		
Battery Type	LFP (LiFePO4)	
Cell Brand	EVE	
Energy Capacity	5.12 kWh ¹⁾	
Usable Capacity	5.01 kWh	
Max.Depth of Discharge	98%	
Normal Voltage	51.2 V	
Operating Voltage Range	44.8 ~ 57.6 V	
Battery Pack Round-Trip Efficiency	> 94%	
Weight	50.5 kg	
Dimensions (WxHxD)	725 x 370 x 190 mm (Excluding handles)	
IP Protection	IP65	
Warranty	5 Year Product Warranty, 10 Year Performance Warranty	
Operation		
Max. Continuous Charging Current	80 A (single battery pack)	
Max. Continuous Charging Power	4096 W	
Max. Continuous Discharging Current	80 A (single battery pack)	
Max. Continuous Discharging Power	4096 W	
Operating Temperature Range	-10 to 50°C (Charging); -10 to 50°C (Discharging)	0 to 50°C (Charging); -10 to 50°C (Discharging)
Cooling Type	Natural Cooling	
Humidity	0 ~ 90%	
BMS		
Modules Connection	Max. 8	
Capacity	100 / 200 / 300 / 400 / 500 / 600 / 700 / 800 Ah	
Communication	CAN / RS485	
Monitoring Parameters	System voltage,current,battery voltage,Battery temperature,PCBA temperature measurement	
Certificate		
Country of Manufacture	China	
Safety and Transportation	Pack:IEC/EN 62619; UN38.3; Cell:IEC/EN 62619; UN38.3; UL1973	

1) Total Energy Capacity is tested under the following conditions: @25°C, 0.5C charging/0.5C discharging, at the beginning of life.