

Generating
Superior Solutions
for Energy and More

BATTERY PACK
BP48100PF1A-G2
BlueSpark Series

CAPACITY
Capacity Range: 5~40 kWh
5.12 kWh Module



Tier-1 Battery Cell
Plug & Play
Safe & Reliable



Battery Model	BP48100 PF1A-G2	BP48100 PF1A-G2-2P	BP48100 PF1A-G2-3P	BP48100 PF1A-G2-4P	BP48100 PF1A-G2-5P	BP48100 PF1A-G2-6P	BP48100 PF1A-G2-7P	BP48100 PF1A-G2-8P
General Parameters								
Battery Type	LFP (LiFePO4)							
Cell Brand	EVE							
Rated Capacity (Ah)	100 Ah	200 Ah	300 Ah	400 Ah	500 Ah	600 Ah	700 Ah	800 Ah
Energy Capacity	5.12 kWh ¹⁾	10.24 kWh	15.36 kWh	20.48 kWh	25.6 kWh	30.72 kWh	35.84 kWh	40.96 kWh
Usable Capacity	5.01 kWh	10.03 kWh	15.05 kWh	20.07 kWh	25.09 kWh	30.10 kWh	35.12 kWh	40.14 kWh
Max.Depth of Discharge	98%							
Norminal Voltage	51.2 V							
Operating Voltage Range	44.8 ~ 57.6 V							
Battery Pack Round-Trip Efficiency	> 94%							
Weight	50.5 kg	101 kg	151.5 kg	202 kg	252.5 kg	303 kg	353.5 kg	404 kg
Dimensions (WxHxD) mm	725 x 465.5 x 245	725 x 835.5 x 245	725 x 1205.5 x 245	725 x 1575.5 x 245	1450 x 1357 x 245	1450 x 1357 x 245	1450 x 1727 x 245	1450 x 1727 x 245
Installation Site	Outdoor							
Max. Operation Altitude	≤ 2000 m							
Protective Class	Class I							
Over Voltage Category DC	OVC II							
Pollution Degree	PD2(Internal); PD3(External)							
IP Protection	IP65							
Warranty	10 Years							
Operation								
Max. Charging Current (A d.c.)	80 A	160 A	240 A	240 A	240 A	240 A	240 A	240 A
Rated Charging Power	4096 W	8192 W	12288 W	12288 W	12288 W	12288 W	12288 W	12288 W
Max. Discharging Current (A d.c.)	80 A	160 A	240 A	240 A	240 A	240 A	240 A	240 A
Rated Discharging Power	4096 W	8192 W	12288 W	12288 W	12288 W	12288 W	12288 W	12288 W
Operating Temperature Range	-10 to 50°C (Charging); -10 to 50°C (Discharging)							
Cooling Type	Natural Cooling							
Humidity	0 ~ 90%							
BMS								
Modules Connection	Max. 8							
Communication	CAN / RS485							
Monitoring Parameters	System voltage,current,battery voltage,Battery temperature,PCBA temperature measurement							
Certificate								
Country of Manufacturer	China							
Safety and Transportation	Pack: IEC/EN 62619; UN38.3; IEC 62477; IEC 62040; IEC 61000 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.