

Firefly pro home energy storage battery system(distributed high voltage)

Features

- Lithium iron phosphate cells, with high safety, green and environmental protection and long service life (6000 cycle times);
- Modular stacking cable-free design, easy installation and flexible expansion;
- The new self-developed layered daisy chain BMS can automatically adapt to the number of modules installed, with sound stability and low cost;
- With independent cloud platform, mobile terminal APP, mini-program access, and supporting remote control and on-line upgrade;
- Sound compatibility to be suitable for the major inverter manufacturers;
- Support the function of intelligent fast charging;
- Supporting multiple sets of parallel operation to be suitable for application scenarios of high power and batter)capacity;
- IP55 protection, which can be installed outdoors.



Model	Firefly Pro-H3	Firefly Pro-H4	Firefly Pro-H5	Firefly Pro-H6	Firefly Pro-H7	Firefly Pro-H8
Battery module	2.5kWh/32kg/LiFePO4					
	3	4	5	6	7	8
Usable Capacity	7.5 kWh	10.0 kWh	12.5 kWh	15.0 kWh	17.5 kWh	20.0 kWh
Voltage	153.6 Vdc	204.8 Vdc	256 Vdc	307.2 Vdc	358.4 Vdc	409.6 Vdc
Battery Voltage range	134.4-172.8 Vdc	179.2-230.4 Vdc	224-228 Vdc	268.8-345.6 Vdc	313.6-403.2 Vdc	358.4-406.8 Vdc
Maximum continuous charging /discharging current	50A					
Dimensions (W * D * H±2 mm)	580*364*775mm	580*364*942mm	580*364*1110mm	580*364*1278mm	580*364*1446mm	580*364*1614mm
Weight 3(± 0.2kg)	110kg	143kg	175kg	207kg	239kg	271kg
Communications	CAN/RS485/Wi-Fi/Ethernet					
Operation ambient temperature	Charge: 0~50℃;Discharge:-20~50℃					
Operation Humidity	5~90%RH					
Protection Grade	IP55					
Cooling method	Natural cooling					
Certification & Safety Standards	CE-RED/CB/UN38.3/Rohs/IEC6269/IEC6240/UL1973/UL L9540A/FCC-ID					
Parallel operation	Up to 3 units of parallel operation/a total capacity of 60 kWh are supported at maximum.					

charge/discharge mode: CC-CV/CC.The actual available electric energy of the system is affected by the ambient temperature, the operating power and efficiency of the power module and other factors;

Affected by battery characteristics, when the temperature is -10 ~15 °C, the charging will be derated.