

FIREFLY PRO BATTERY MODULE



Product Overview

This product continues the style of the Firefly residential battery system with a stacking module design. It consists of a BMS control box, and three to eight Lithium iron phosphate battery modules connected in series to form a high-voltage battery system. The energy capacity of a single system ranges from 7.68kWh to 20.48kWh. The device is equipped with a newly developed daisy-chain BMS, which further enhances BMS management and control capabilities and improves user experience.

The product is fully compatible with mainstream inverters. It provides solutions for three-phase grid households and high-power scenarios with the benefits of electricity cost savings, grid stability, and emergency backup.

Product Features



- LFP Cell
- Lifecycle \geq 5000 times
- Safe & environmentally friendly



Self-developed hierarchical daisy-chain BMS; adaptive to the number of installed modules with high stability and low cost



Modular and cable-free design – convenient to install and expandable, By using up to 3 sets of Firefly battery modules in parallel, the capacity can be configured at 7.68 kWh to a maximum of 61.44 kWh. Catering to the high demands of power and electricity, Compatible with other mainstream inverters in the market (GoodWe, Growatt, Solis, SMA, etc).



Supported by an independent cloud platform, the system is equipped with a mobile App, applet access to achieve remote diagnosis and data analysis functions

Model	Firefly-H3	Firefly-H4	Firefly-H5	Firefly-H6	Firefly-H7	Firefly-H8
Battery layers	2.56kWh/35kg/LiFePO4					
	3	4	5	6	7	8
Rated Energy Capacity	7.68kWh	10.24kWh	12.8kWh	15.36kWh	17.92kWh	20.48kWh
Usable Energy Capacity	6.91kWh	9.22kWh	11.52kWh	13.82kWh	16.13kWh	18.43kWh
Rated Voltage	153.6Vdc	204.8Vdc	256Vdc	307.2Vdc	358.4Vdc	409.6Vdc
Operating Voltage Range	134.4~172.8Vdc	179.2~230.4Vdc	224 ~288 Vdc	268.8 ~345.6 Vdc	313.6~403.2Vdc	358.4~460.8Vdc
Max. Continuous Charging /Discharging Current	50A					
Dimensions (W*D*H±2mm)	600*330*910	600*330*1135	600*330*1360	600*330*1585	600*330*1810	600*330*2035
Weight (±0.2kg)	130kg	165kg	200kg	235kgkg	270kg	305kg
Communication	CAN/RS485/Wi-Fi/LAN					
Ambient Temperature	-10~55°C					
Relative Humidity	5~90%RH					
Ingress Protection	IP55					
Cooling	Natural Convection					
Certification & Approvals	TUV (IEC62619, IEC62040) /RCM/CE/UN38.3/RoHS/UL1973					
Parallel Operation	Maximum three sets to parallel with capacity of 61.4kWh					

1. Testing condition: ambient temperature: 25±5°C, relative humidity: 60±25%RH, Atmospheric pressure: 86kPa~106kPa, 90%DOD, 0.2C charge/discharge with CC-CV/CC charging/discharging. Exact usable capacity for a system is affected by ambient temperature, power output of the power module and its efficiency.
2. Due to battery characteristics, charging will be derated between -10~15°C.