

FIREFLY BATTERY MODULE



Product Features



LFP Cell
Lifecycle \geq 5000 times
Safe & environmentally friendly



Self-developed hierarchical intelligent BMS
with 1 master and N slave design



Modular and wireless design – convenient to install and expandable;
By using up to 3 sets of Firefly battery modules in parallel, the capacity can be configured at 3.6 kWh to a maximum of 43.2 kWh.
Catering to the high demands of power and electricity



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



Compatible with other mainstream inverters in the market
(GoodWe, Growatt, Solis, SMA, etc).

Model	Firefly-3.6K	Firefly-7.2K	Firefly-10.8K	Firefly-14.4K
Battery layers	3.6kWh / 37kg / LiFePO4			
	1	2	3	4
Rated Energy Capacity	3.6 kWh	7.2 kWh	10.8 kWh	14.4 kWh
Usable Energy Capacity	3.24 kWh	6.48 kWh	9.72 kWh	12.96 kWh
Rated Voltage	51.2 Vdc			
Operating Voltage Range	41.6~58.4Vdc			
Max. Continuous Charging /Discharging Current	37.5A	75A		
Charing/Discharging Rate	>98%			
Communication	CAN / Rs485 / Wi-Fi			
Ambient Temperature	-10~45°C			
Relative Humidity	5~90%RH			
Ingress Protection	Ip54			
Cooling	Natural Convection			
Dimensions (W*D*H±2mm)	430×430×279 mm	430×430×448 mm	430×430×617 mm	430×430×786 mm
Weight (±0.2kg)	49kg	86kg	123kg	160kg
Certification & Approvals	TUV (IEC62619、IEC62040) / CB / RCM / CE / UN38.3 / RoHS			
Parallel Operation	By using up to 3 sets of Firefly battery modules in parallel, the capacity can be configured to a maximum of 43.2 kWh. The maximum operating current can be achieved at 75A*3.			

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.