

• Firefly

The Firefly battery module is the first-generation 48V battery module, which adopts a flexible modular and cable-free design. A set of Firefly battery modules can connect up to 4 sets of 3.6kWh battery layers in parallel, with a capacity of 3.6kWh~14.4kWh;

By using up to 3 sets of Firefly battery modules in parallel, the capacity can be configured at 3.6kWh intervals from 3.6kWh to a maximum of 43.2kWh. (Coming soon)



Product parameter

Model	Firefly-3.6k	Firefly-7.2k	Firefly-10.8k	Firefly-14.4k
Battery layers	Battery Pack（3.6kWh/37kg/LiFePO4）			
	1 module	2 module	3 module	4 module
Rated Energy Capacity	3.6kWh	7.2kWh	10.8kWh	14.4kWh
Usable Capacity ¹	3.24kWh	6.48kWh	9.72kWh	12.96kWh
Rated Voltage	51.2V			
Operating Voltage Range	41.6~58.4V			
Max. Continuous Charging / Discharging Current	37.5A	75A		
Communication	CAN/RS485/Wi-Fi/LAN			
Ambient Temperature ²	-10~45℃			
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	Maximum three sets to parallel with capacity of 43.2kWh			

1. Testing condition: ambient temperature: 25 ± 5℃, 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℃.