



- **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°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	Maximum three sets to parallel with capacity of 43.2kWh						

1. Testing condition: ambient temperature: $25 \pm 5^\circ\text{C}$, relative humidity: $60 \pm 25\%\text{RH}$, 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.