



LIFEPO4 BATTERY SYSTEMS FOR ON-LINE MONITORING

The 12V series LiFePO4 Battery Systems, are widely used in on-line monitoring systems of State grid transmission lines, environments on-line monitoring systems and weather on-line monitoring systems.

Core advantages:

super high & low temperature resistant, widely available temperature range able to be working under extreme temperature range $-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$ and ensure various of monitoring equipment possibly to work in 24 hours under all-weather conditions.

efficiently solved the problems of that the Lead-Acid Batteries are not able to be working under temperature -20°C .



Product Model	CGS-F1212N	CGS-F1220N	CGS-F1240N	CGS-F1260N
Nominal Capacity	12Ah	20Ah	40Ah	60Ah
Nominal Voltage	12V			
Max. Charging Current	6A	10A	20A	30A
Max. Discharging Current	10A	20A	40A	60A
Cycle Life (25°C,0.5C,80%DOD)	≥1500 times			
-40°C Discharging Performance (0.1C)	≥40% Nominal Capacity			
-20°C Discharging Performance (0.2C)	≥60% Nominal Capacity			
60°C Discharging Performance	≥98% Nominal Capacity			
Resistance	≤90mΩ	≤80mΩ	≤70mΩ	≤60mΩ
Weight	2±0.1kg	3.2±0.1kg	7±0.3kg	9.3±0.1kg
Charging Temperature Range	0.2C : 0~45°C 0.1C : -40°C~45°C			
Discharging Temperature Range	0.2C : -20~60°C 0.1C : -40°C~85°C			
Storage Temperature Range	-10~35°C			
Enclosure Materials	Black Metal			
Enclosure Size	L90*W70*H170mm	L161*W103*H100mm	L200*W160*H130mm	L200*W170*H180mm

- We design and make solutions for various of specs & applications, to satisfy the diversified requirements from customers.