

PantheonCell™



Energy Efficient Lithium Iron Phosphate Battery (LiFePO4)

The PantheonCell™ LiFePO4 is used to replace lead acid batteries. This eco-friendly battery boasts a greater than 10-year life span. With approximately 99% charging efficiency, the PantheonCell has 10,000 cycles with 50% depth of discharge with no gassing.



	GSC3840	GSC5250
Rated Capacitance	10500F (-10%~+20%)	7500F (-10%~+20%)
Energy Storage	3840Wh	5250Wh
Rated Voltage (UR)	36V	48V
Maximum Charge Voltage	42V	58.8V
Minimum Discharge Voltage	30V	42V
Internal Resistance(AC)	<15mΩ (Tested at 1KHZ, 20±2 °C)	<15mΩ (Tested at 1KHZ, 20±2 °C)
Rated Charge Current	50A	50A
Maximum Continuous Discharge Current	200A	200A
Max. Peak Current	300A (30mS)	300A (30mS)
Safety Test Standard	DC1500V	DC1500V
Safety Standards	QC/T 741 GB/T 34870	QC/T 741 GB/T 34870
Operating Temperature Range	-20~60°C (-4~140°F)	-20~60°C (-4~140°F)
Storage Temperature Range	-20~55°C (-4~131°F)	-20~55°C (-4~131°F)
Cycle Life	>20000Times (50A)	>20000Times (50A)
Nominal Weight	<40Kg	<48Kg
Dimension	400*490*160mm	505*330*257mm
Protection Class	IP14 NEMA3R	IP30
Over Charge Voltage Protection	>42V.DC (Off charge)	>58.8V.DC (Off charge)
Over Discharge Voltage Protection	<30V (Stop discharge)	<42V (Stop discharge)
Over Temperature Protection	>60°C (140°F) (Stop Work)	>60°C (140°F) (Stop Work)
Low Temperature Protection	<-20°C (-4°F) (Stop Work)	<-20°C (-4°F) (Stop Work)
Over Current Protection	Stop work	Stop work