

12.8V 16Ah LiFePO4 Premium Battery

GBJTOV12816

PRODUCT FEATURES

- > Premium built materials
- > A class LiFePO4 cells
- > Extremely safe, built for aviation
- > Advanced Integrated BMS
- > Multiple thermal sensors
- > Highly durable design
- > Superior protection against shocks and impacts
- > Precise BMS protections: Overcharge, Overdischarge, Short Circuit, Reverse Polarity, Cells Disbalance, High Temperature, Fire.



TECHNICAL SPECIFICATIONS

GENERAL INFORMATION	
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Battery Capacity	16Ah 204.8Wh @C20, 25°C
Nominal Voltage	12.8VDC
Operating Voltage Range	9.0 – 14.6VDC
Cycle Life @ 100% DoD	> 2000 cycles (@C20, 25°C)
Cycle Life @ 80% DoD	> 3000 cycles (@C20, 25°C)
Cycle Life @ 50% DoD	> 5000 cycles (@C20, 25°C)
Storage Temperature Range	-10 - 35°C (14 to 95°F)
Battery Dimensions	151 x 99 x 94mm (L x W x H)
Weight	1.80kg
Battery Terminal	F2, 6.3mm
Warranty Period	30 Months
CHARGE / DISCHARGE	
Charge Voltage	14.6 VDC
Max. Charging Current	16A
Charge Method	CC – CV
Cut-off Voltage	9.0 VDC
Recommended Continuous Discharge Current	16.0A
Max. Discharge Current (Last for less than 5 minutes)	32.0A
Peak Discharging Current (less than 3 seconds)	40.0A
Charging Temperature	0 – 45 °C (32 to 113°F)
Discharging Temperature	-20 – 60 °C (-4 to 140°F)