



Elite Series Lithium

Lithium Iron Phosphate LiFePO₄ Golf Car Batteries

PERFORMANCE • SAFETY • RELIABILITY - ALL TOP PRIORITIES IN ELITE SERIES LITHIUM BATTERIES

Overcharge Protection • Over Discharge Protection • Overvoltage Protection • Over Temperature Protection • Over Current Protection • Short Circuit Protection



Bluetooth



- ◆ Greater Vehicle Efficiency
- ◆ Higher Power Density
- ◆ Reduced Recharge Time
- ◆ Lighter Weight



BOLTED CELL & COMPONENT DESIGN FOR ENHANCED DURABILITY & PERFORMANCE

Elite Series Lithium	38.4 Volt / 105Ah	51.2 Volt / 105Ah	51.2 Volt / 160Ah	76.8 Volt / 105Ah
10-YEAR DESIGN LIFE	YES	YES	YES	YES
0% MAINTENANCE	YES	YES	YES	YES
BLUETOOTH	YES	YES	YES	YES
BUILT-IN BMS (Battery Management System)	YES	YES	YES	YES

Our ELITE SERIES Lithium Electric Vehicle Battery System utilizes multiple S1P / LiFePO₄, 3.2V/105Ah Cells and contains a Built-In BMS (Battery Management System). This Battery Management System enables High Performance and Operational Reliability as well as Optimized Cyclability, thus providing balanced cell charging and discharging in each ELITE SERIES Battery



STORED POWER SOLUTIONS LLC

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ELECTRICAL CHARACTERISTICS

SYSTEM VOLTAGE	36-VOLT	48-VOLT	48-VOLT	72-VOLT
NOMINAL VOLTAGE	38.4 Volts	51.2 Volts	51.2 Volts	76.8 Volts
CAPACITY	105Ah	105Ah	160Ah	105Ah
COMMUNICATION	One Way to Display / Charger			
CYCLE LIFE	≥ 4,000 (0.2C Cycle, Normal Temperature)			
BATTERY ENERGY (Watt Hours)	4,032 Wh	5,376 Wh	8,192 Wh	8,064 Wh

OPERATIONAL CONDITIONS

BATTERY MODEL	36V / 105Ah	48V / 105Ah	48V / 160Ah	72V / 105Ah
CONTINUOUS DISCHARGE CURRENT	200A			
MAXIMUM DISCHARGE CURRENT	400A (35 Seconds)			
MAXIMUM CHARGE VOLTAGE (CCCV)	43.8V	58.4V	58.4V	87.6V
MAXIMUM CHARGE CURRENT (CCCV)	100A			
OPTIMUM CHARGE RATE (CCCV)	0.2C (22A)	0.2C (22A)	0.2C (32A)	0.2C (22A)
SELF DISCHARGE RATE	≤3% Monthly, 25°C			

TEMPERATURE CONDITIONS

CHARGE TEMPERATURE RANGE	32°F -113°F / 0°C - 45°C		
DISCHARGE TEMPERATURE RANGE	-4°F -120°F / -20°C - 60°C		
STORAGE TEMPERATURE	≤ 113°F / 45°C		
STORAGE TEMPERATURE RANGE	< (12 Months)	< (3 Months)	< (7 Days)
	-4°F - 77°F	-4°F - 104°F	-4°F - 140°F

PHYSICAL CHARACTERISTICS

BATTERY MODEL	LENGTH	WIDTH	HEIGHT
36V / 105Ah	16.75" / 425mm	12.52" / 318mm	9.92" / 252mm
48V / 105Ah	20.05" / 509mm	13.15" / 334mm	9.05" / 230mm
48V / 160Ah	30.67" / 779mm	13.35" / 339mm	9.05" / 230mm
72V / 105Ah	29.13" / 740mm	12.60" / 320mm	9.7" / 246mm

OUR LITHIUM RECYCLING PROGRAM IS NOW IN PLACE.

Lithium Iron Phosphate (LiFePO₄) & Lithium Nickel Dioxide (LiNiO₂) Only, at this time