

Wire Energy With Technology



12V 195Ah

SPECIFICATIONS



2x

Twice the power of traditional batteries

3x

3 times longer service life

5

5-year quality guarantee

1/3

One-third the weight of lead-acid batteries

67

Protection degree up to IP67

**12.8V 200Ah
2560Wh**

**Weight
19.5KG**

**Size
328x172x222mm**

Safety Certified Via:

UL1973

EMC

IEC62619

CE

UN38.3

MSDS

Lithium battery and storage system manufacturer



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Specifications	
Capacity	200Ah
Nominal Voltage	12.8 Volts
Full Charge Resting Voltage	13.32 Volts
Energy Storage	2560Wh
Run time @ 25Amp load	4 Hours @ 77°F (25°C)
Self Discharge Rate	25mA, Sleep 300µA
Charging	
Charging Temperature Range	32° ~ 131°F
Charge Method	CC/CV
Absorb Voltage(CC)	14.0 to 14.4 Volts
Maximum Current	150Amps @ 77°F (25°C)
Recommended Current	50Amps
Charge Efficiency	99%
Discharging	
Discharging Temperature Range	-4° ~ 140°F (-20°C-60°C)
Discharge Current	200Amps Continuous
Discharge Current 5 seconds	≤500Amps
Discharge Cut-off Voltage	10Volts; Any cell (2.5 Volts)
Recommended Low Voltage Disconnect	12 Volts
Short Circuit Protection	2000A for 250µS
Short Circuit Protection Release	Disconnect the load
Battery Protection	
BMS Control	PCM
Over Voltage, per Cell, Open	3.75 Volts ± 0.03 Volts (15.0V)
Over Voltage, per Cell, Release	3.55 Volts ± 0.05 Volts (14.2V)
Over Discharge, per Cell, Open	2.50 Volts ± 0.05 Volts (10V)
Over Discharge, per Cell, Release	2.70 Volts ± 0.05 Volts (10.8V)
Over Current	310Amps 320mS
Over Current Release	Disconnect the charger or load
Over Temperature	140°F (60°C)
Over Temperature Release	131°F (55°C)
Low Temperature Charge, Open	28.4°F

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Battery Protection	
Low Temperature Charge, Release	36°F
MOSFET Over Temperature, Open	194°F
MOSFET Over Temperature, Release	158°F
Mechanical	
Length	12.92' ' (328mm)
Width	6.78' ' (172mm)
Height	8.75' ' (222mm)
Weight	26.55 Pounds (19.5Kg)
Hardware	M8 Bolts, Washer, Lock Washer
Hardware Torque	54 in - lb. (6 N-m)
Miscellaneous	
Discharge Test	100% DOD @ 1C
Discharge Test Results	> 6000 cycles ~ 80% remaining Capacity
Storage Method	50% SoC, test @ 90 Days, recharge if below 13.0V
Storage Temperature Range(Recommended)	-4°F ~ 95°F (-20°C - 35°C)
Lithium ion Chemistry	Lithium Iron Phosphate (LiFePo4)
Cell Type	Nano Prismatic
Internal Impedance(50% SoC, 1kHz)	< 10mΩ

