

Wire Energy With Technology



12V 135Ah

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 135Ah
1728Wh

Weight
14.8KG

Size
328x172x222mm

Safety Certified Via:

UL1973

EMC

IEC62619

CE

UN38.3

MSDS

DUAL PURPOSE BATTERY



12V 135Ah

SPECIFICATIONS

Specifications	
Capacity	135Ah
Nominal Voltage	12.8 Volts
Full Charge Resting Voltage	13.32 Volts
Energy Storage	1728Wh
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
Charge Voltage(CC)	14.0 to 14.4 Volts
Maximum Current	100Amps @ 77°F (25°C)
Recommended Current	30Amps
Charge Efficiency	99%
Discharging	
Discharging Temperature Range	-4° ~ 140°F (-20°C-60°C)
Discharge Current	135Amps Continuous
Cold Cranking Amps	800A 3s (> 50% SOC)
Discharge Cut-off Voltage	10Volts; Any cell (2.5 Volts)
Recommended Low Voltage Disconnect	12 Volts
Short Circuit Protection	2000A for 250 µS
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 (11.6Kg)
Hardware	M8 Bolts, Washer, Lock Washer
Hardware Torque	80 in - lb. (12 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)
Internal Impedance(50% SoC, 1kHz)	< 10mΩ

