

# Wire Energy With Technology



24V 100Ah

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

**24V 100Ah**  
**2400Wh**

**Weight**  
**18KG**

**Size**  
**480x171x240mm**

**Safety Certified Via:**

**ISO9001**

**UN38.3**

**MSDS**

# Lithium battery and storage system manufacturer



24V 100Ah

SPECIFICATIONS

Specifications	
Capacity	100Ah
Nominal Voltage	25.6 Volts
Full Charge Resting Voltage	26.64 Volts
Energy Storage	2560Wh
Run time @ 25Amp load	4 Hours @ 77°F (25°C)
Self Discharge Rate	≤4% / month
Charging	
Charging Temperature Range	32° ~ 131°F
Charge Method	CC/CV
Maximum Current	100Amps @ 77°F (25°C)
Recommended Current	50Amps
Charge Efficiency	99%
Discharging	
Discharging Temperature Range	-4° ~ 140°F (-20°C-60°C)
Discharge Current	100Amps Continuous
Discharge Current	≤500Amps (310mS)
Discharge Cut-off Voltage	20Volts; Any cell (2.5 Volts)
Recommended Low Voltage Disconnect	24 Volts
Short Circuit Protection	560A for 400mS
Short Circuit Protection Release	Disconnect the load
Battery Protection	
Over Voltage, per Cell, Open	3.75 Volts ± 0.03 Volts (30.0V)
Over Voltage, per Cell, Release	3.55 Volts ± 0.05 Volts (28.4V)
Over Discharge, per Cell, Open	2.50 Volts ± 0.05 Volts (20V)
Over Discharge, per Cell, Release	2.70 Volts ± 0.05 Volts (21.6V)
Over Current	310Amps 32S
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	18.8' ' (480mm)
Width	6.7' ' (171mm)
Height	9.4' ' (240mm)
Weight	39.68 Pounds (18Kg)
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

