



48V 160Ah

Voltage: 51.2V | Capacity: 160Ah | Energy: 7680W

ELECTRICAL SPECIFICATIONS

| | |
|-----------------------------|----------------|
| Nominal Voltage | 51.2V |
| Nominal Capacity | 160Ah |
| Bluetooth Enabled | Yes |
| Capacity @ 20A | 450 min |
| Efficiency | 99% |
| Self Discharge | 1-3% per month |
| Maximum Modules in Parallel | 2 |

MECHANICAL SPECIFICATIONS

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|------------------------|---------------------|
| Dimensions (L x W x H) | 28.6" x 12.4" x 10" |
| Weight | 165 lbs |
| Terminal Type | M8 |
| Terminal Material | Brass |
| Case Material | Steel |
| Enclosure Protection | IP67 |
| Cell Type - Chemistry | Prismatic LiFePO4 |

DISCHARGE SPECIFICATIONS

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|-------------------------------|----------------------|
| Max Continuous Current | 180A |
| Peak Discharge Current | 500A (10s) |
| Peak Instantaneous Current | 1000A (<1200ms) |
| Low Voltage Disconnect | 40V |
| BMS Discharge Voltage Cut-Off | 40.0V (2.5±0.05 vpc) |
| Reconnect Voltage | 44.8V (2.8±0.1 vpc) |
| Short Circuit Protection | 200-400ms |

BLUETOOTH FEATURES

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| Voltage (overall and individual cell voltages) |
| Remaining Discharge Time |
| Remaining Charge Time |
| Current Amp Draw |
| Current Cell Temperature |
| Voltage of Individual Cells |
| Lifetime Power Cycles |

CHARGE SPECIFICATIONS

| | |
|--------------------------------|-----------------------|
| Recommended Charge Current | 15A - 50A |
| Discharge Temperature | 15° to 140°F |
| Temperature Protection Release | Low: 23°F High: 122°F |
| Charge Temperature* | 32° to 131°F |
| Recommended Charge Voltage | 40V - 59.2V |
| BMS Charge Voltage Cut-Off | 60V (3.75±0.01vpc) |
| Reconnect Voltage | 56V (3.5±0.01vpc) |

KEY FEATURES

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| 2 Amp Internal Balancer (80 times faster) |
| BMS languages - CANbus & RS485 |
| Sleep Mode |
| Fire Arrestor |
| Thick Steel Casing |

SAFETY SPECIFICATIONS

ALL VISIBLE ON THE ALLIED BATTERY BLUETOOTH APP

| | |
|------------------------------------|--|
| Short Circuit | Yes |
| Low / High Temperature Discharging | Yes |
| Low / High Temperature Charging | Yes |
| Over-Current Discharging | Yes |
| Over-Current Charging | Yes |
| Pack Under / Over Voltage | Yes |
| Certifications | UL1642 IEC62619 (Cells) CE UN38.3 (Battery) |
| Shipping Classification | UN 3480 Class 9 |

DIMENSIONAL SPECIFICATIONS

