



C48100A

Voltage: 51.2V | Capacity: 100 Ah | Energy: 5120 Wh | Group: 8D



Features: IP67, Bluetooth, Self-Heating

11 YEAR
MANUFACTURER
WARRANTY

ELECTRICAL SPECIFICATIONS

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|------------------------------------|-----------------------------------|
| Nominal Voltage: | 51.2 V |
| Nominal Capacity: | 100 Ah |
| Cell Configuration: | 16S1P |
| Max Charge Voltage: | 58.4V |
| Operating Voltage Range: | 40.0V - 58.4V |
| Self Discharge: | <3% per Month |
| Series Connections: | No |
| Parallel Connections: | Max (16) in Parallel, Plug & Play |
| Low-Temperature Charge Protection: | Yes |
| Bluetooth: | Yes |
| Software Updates: | Yes (Over-the-air) |
| Self-Heating: | Yes |

DISCHARGE SPECIFICATIONS

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|---------------------------|-----------------------------|
| Max Continuous Discharge: | 150A |
| Max Discharge 30 Sec: | 300A |
| Discharge Temp Range: | -20°C (-4°F) / 55°C (131°F) |

TEMPERATURE SPECIFICATIONS

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|---------------------------------|------------------------------|
| Discharge Temperature | -20°C (-4°F) / 55°C (131°F) |
| Charge Temperature* | -30°C (-22°F) / 55°C (131°F) |
| Recommended Storage Temperature | -20°C (-4°F) / 45°C (113°F) |

MECHANICAL SPECIFICATIONS

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|------------------------|--|
| Dimensions (L x W x H) | 20.75 x 8.5 x 12" |
| Weight | 97 lbs |
| Case Material | ABS & PC blend (UL94-V0 flame rating) |
| Enclosure Protection | IP67 |
| Cell Type - Chemistry | Prismatic - LiFePO4 |

CHARGE SPECIFICATIONS

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|--|--|
| Victron Setup (Automatic BMS Control): | Turn DVCC ON, set controlling BMS to Epoch |
| Max Continuous Charge: | 100A |
| Max Charge 10 Sec: | 300A |
| Bulk/Absorption: | 56.8V |
| Absorption End Condition: | 15 min max |
| Float Voltage: | 54.0V |
| Re-bulk: | 53.2V |
| Temperature Compensation: | 0mV/°C (none) |
| Equalization: | Disabled |
| Battery Charge Temperature Range: | -30°C (-22°F) / 55°C (131°F) (*with self-heating) |
| BMS High Voltage Cutoff: | 58.4V |
| SoC Recalibration: | 58.4V Manual / Custom algorithm when operating under Victron Comms |

COMPLIANCE SPECIFICATIONS

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|-------------------------|--|
| Certifications | UL 1642 (Cells) UL 9540A (Cells) UL 1973 (Pack) UL 60691 (Fuse) IEC 62619:2022 CE, RoHS |
| Shipping Classification | UN 3480, CLASS 9 |

DIMENSIONAL SPECIFICATIONS

