

GEN3 51.2V 150Ah

051150-06

DATA SHEET



GENERAL

| | |
|---------------------------------|------------------|
| Nominal Voltage | 51.2V |
| Working Voltage | 43.2V - 58.4V |
| Recommended Voltage | 48.0V - 57.0V |
| Cell Count | 16 |
| Nominal Capacity | 150Ah |
| Energy | 7,680Wh |
| Reserve @25A | 360 Minutes |
| Self Discharge | 1% Per Month |
| IP Rating | IP67 |
| BMS (Battery Management System) | Proprietary - EB |

DISCHARGING

| | |
|--------------------------|-------------|
| Max Continuous Discharge | 250A |
| Max Discharge 5 Sec | 600A |
| Max Discharge 10 Sec | 550A |
| Recom. Voltage Cutoff | 48.0V |
| BMS Voltage Recovery | 46.4V |
| Discharge Temp Range | -4F to 140F |

CHARGING

| | |
|-------------------------|--------------|
| Auto Charger Wake-up | YES |
| Max Continuous Charge | <52A |
| Max Charge 30 Seconds | 200A |
| Bulk/Absorb Voltage | 57.0V |
| Float Voltage | 54.0V or Off |
| BMS High Voltage Cutoff | 59.2V |
| Charging Temp. Range | 32F to 130F |

COMMUNICATION

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| Bluetooth | Yes |
| CAN | Yes |
| Mobile App/PC | Yes |
| Software Updates | Over-the-air |

SAFETY

| | |
|----------------------------|---------------------|
| Charging Freeze Protection | Yes, Under 32F |
| Pack Over-Voltage | Yes |
| Cell Balancing | Yes |
| Pack Under-Voltage | Yes |
| Cell Under-Voltage | Yes |
| Cell Over-Temp | Yes |
| BMS Over-Temp | Yes |
| Short Circuit/Over Current | Yes |
| Certifications | UN38.3, UL1642 Cell |

PHYSICAL

| | |
|----------------------|------------------------|
| Cell Chemistry | Lithium Iron Phosphate |
| Cell Type | Prismatic |
| Cell Configuration | 2P16S |
| Series Connectable | No |
| Parallel Connectable | Yes, up to 2 |
| Weight | 165 lbs (74.84Kg) |
| Dimension LxWxH | 22"X12.125"X10.625" |
| Terminal Type | M8 Female |
| Shell Type | Powder Coated Steel |
| UN Shipping Class | UN 3480 |