

LITHIUM IRON PHOSPHATE BATTERY

| ELECTRICAL PERFORMANCE | |
|------------------------|-----------------|
| Nominal Voltage | 12.8V |
| Nominal Capacity | 280H |
| Energy | 3584 Wh |
| Self Discharge | <3% / Month |
| Cells | 3.2V 280Ah Cell |

| CHARGE PERFORMANCE | |
|-------------------------------|---------------------|
| Recommended Charge Current | 56A/0.2C |
| Maximum Charge Current | 120A |
| Recommended Charge Voltage | 14.6 V |
| BMS Charge Cut-Off Voltage | <14.6V(3.65V/Cell) |
| Reconnect Voltage | >14.4V(3.6V/Cell) |
| Balancing Voltage | <14.4 V (3.6V/Cell) |
| Maximum Batteries in Series | 4 |
| Maximum Batteries in parallel | 10 |

| DISCHARGE PERFORMANCE | |
|--------------------------------------|-------------------------------------|
| Maximum Continuous Discharge Current | 200A |
| Peak Discharge Current | 250A |
| Recommended Low Voltage Disconnect | 11.2V |
| BMS Discharge Cut-Off Voltage | >10.4 V(50 ~ 150 ms) (2.6V/Cell) |
| Reconnect Voltage | >11.6 V(2.9V/Cell) |
| Short Circuit Protection | 200 ~ 500 |

| TEMPERATURE PERFORMANCE | |
|------------------------------|---------------------------|
| Discharge Temperature | -4 ~ 140 °F (-20 ~ 60 °C) |
| Charge Temperature | 4~113°F (-20~45°C) |
| Storage Temperature | 23 ~ 95 °F (-5 ~ 35 °C) |
| BMS High Temperature Cut-Off | 149 °F (65 °C) |
| Reconnect Temperature | 131 °F (55 °C) |

| COMPLIANCE | |
|----------------|---|
| Certifications | UL1973,UL9540A,IEC62619 for cells MSDS for shipping |



| MECHANICAL PERFORMANCE | |
|------------------------|------------------------------|
| Dimension (L x W x H) | 13.07*9.52*9.84inch |
| Approx. Weight | 73 lbs |
| Terminal Type | M8 |
| Terminal Torque | 80 ~ 100 in-lbs (9 ~ 11 N-m) |
| Case Material | Black paint aluminum case |
| Enclosure Protection | IP50 |

Performance may vary depending on application. All specifications are subject to change without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied by this data. For clarification and updated information, please contact us.