

SKANBATT

LITHIUM

HEAT

LITHIUM IRON PHOSPHATE BATTERY

HEAT-180150BS (APP: V2Battery)

ELECTRICAL SPECIFICATIONS

| | |
|---------------------------|---------------|
| Nominal Voltage | 12.8 V |
| Nominal Capacity | 180 Ah |
| Capacity @ 0.2C | >290 min |
| Energy | 2304Wh |
| Resistance | <50 mΩ |
| Efficiency | 99% |
| Self Discharge | <5% per Month |
| Maximum Modules in Series | 1 |

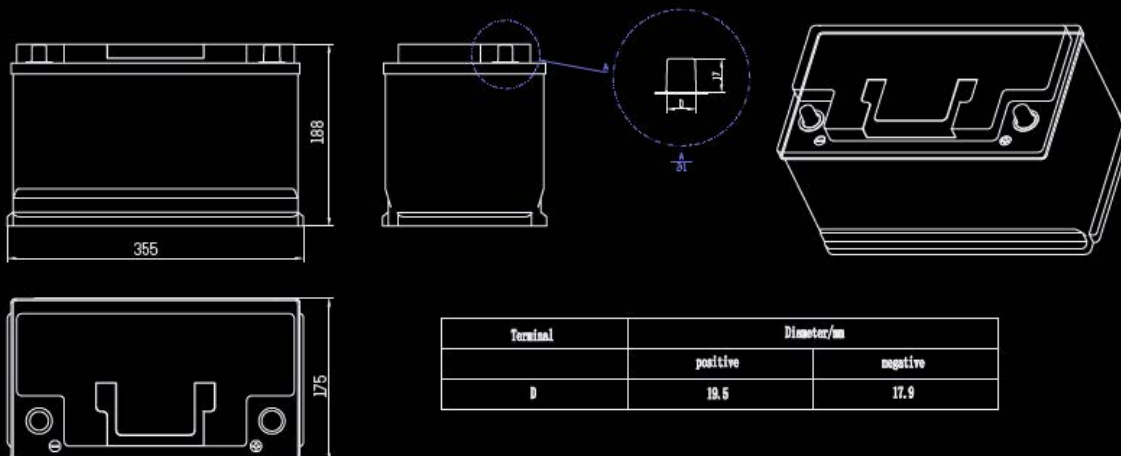
DISCHARGE SPECIFICATIONS

| | |
|--------------------------------------|-------|
| Maximum Continuous Discharge Current | 150 A |
| Peak Discharge Current | 450 A |
| Recommended Low Voltage Disconnect | 11 V |
| PCM Discharge Voltage Cut-Off | 10 V |
| Reconnect Voltage | 12 V |
| Short Circuit Protection | Yes |

TEMPERATURE SPECIFICATIONS

| | |
|------------------------------|--|
| Discharge Temperature | <4 to 140 °F (-20 to 60 °C) |
| Charge Temperature |  4 to 140 °F (-20 to 60 °C) |
| Storage Temperature | -4 to 140 °F (-20 to 60 °C) |
| PCM High Temperature Cut-Off | 176 °F (80 °C) |

DIMENSIONAL SPECIFICATIONS



MECHANICAL SPECIFICATIONS

| | |
|------------------------|---------------------|
| Dimensions (L x W x H) | 355 x 175 x 188 mm |
| Weight | 16.9kg |
| Terminal Type | SAE & M8 |
| Case Material | ABS |
| Enclosure Protection | IP65 |
| Chemistry | LiFePO ₄ |

CHARGE SPECIFICATIONS

| | |
|---------------------------------|-----------------|
| Recommended Charge Current | < 90 A |
| Maximum Charge Current | 150 A |
| Recommended Charge Voltage | 14.2 V - 14.6 V |
| PCM Charge Voltage Cut-Off | 15.0 V |
| Reconnect Voltage | 14.0 V |
| Balancing Voltage | 14.4 V |
| Active Cell Balancing Function: | 1~3 A |

| | |
|---------------------|-----|
| Bluetooth | Yes |
| Active Cell balance | Yes |
| Heater | Yes |

| Terminal | Diameter/mm | |
|----------|-------------|----------|
| | positive | negative |
| D | 19.5 | 17.9 |