

SKANBATT

LITHIUM IRON PHOSPHATE BATTERY

LITH-STA12100 (APP: V2Battery)

ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8 V
Nominal Capacity	100 Ah
Capacity @ 0.2C	>290 min
Energy	1280 Wh
Resistance	< 50 mΩ
Efficiency	99%
Self Discharge	<5% per Month
Maximum Modules in Series	1

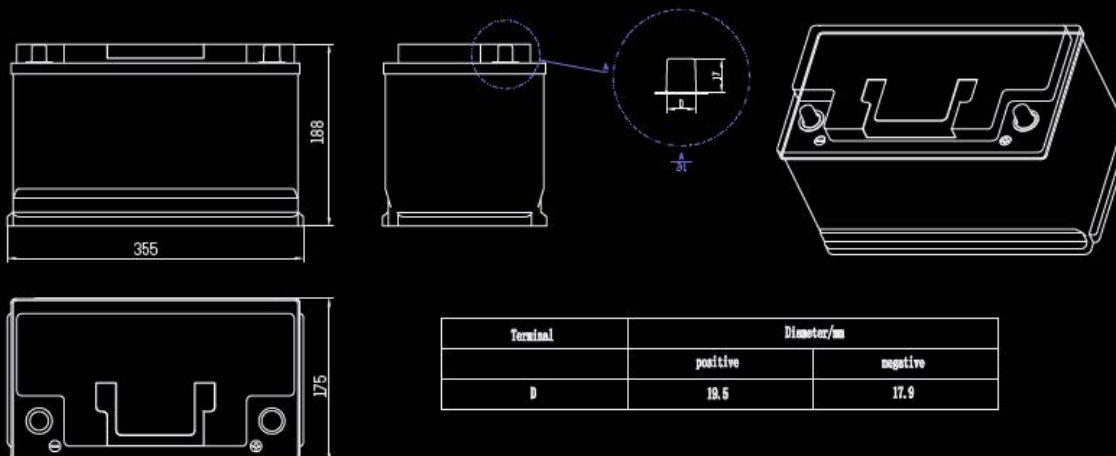
DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	200 A
Peak Discharge Current	1500 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	32 to 131 °F (0 to 55 °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	10.5 KG
Terminal Type	SAE & M8
Case Material	ABS
Enclosure Protection	IP65
Chemistry	LiFePO ₄

CHARGE SPECIFICATIONS

Recommended Charge Current	< 50 A
Maximum Charge Current	200 A
Recommended Charge Voltage	14.2 V - 14.6 V
PCM Charge Voltage Cut-Off	15.6 V
Reconnect Voltage	15.2 V
Balancing Voltage	14.4 V
Active Cell Balancing Function:	Yes

Bluetooth	Yes
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