

GEN3 51.2V 105Ah "Thru-Hole"

DATA SHEET

A-051105-01

A-051105-01-H (Self Heating)



GENERAL

Nominal Voltage	51.2V
Working Voltage	43.2V - 58.4V
Recommended Voltage	48.0V - 57.0V
Cell Count	16
Nominal Capacity	105Ah
Energy	5,376Wh
Reserve @25A	252 Minutes
Self Discharge	1% Per Month
IP Rating	IP67
BMS (Battery Management System)	Proprietary - EB
Self Heating (Available)	A-051105-01-H
Patent(s)	US D975,644 S US D1,001,070 S

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 Continious 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

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	1P16S
Series Connectable	No
Parallel Connectable	Yes, up to 2
Weight	98 lbs (44.45Kg)
Dimension LxWxH	13.14"X12.24"X10.15"
Terminal Type	M8 Female
Shell Type	Powder Coated Steel
UN Shipping Class	UN 3480

