

AMPLUS ULTRA SERIES



0132
SKU#

51.2V
Rated

105Ah
Capacity

5376Wh
Stored Power

ELECTRICAL SPECIFICATIONS

Nominal Voltage	51.2V
Nominal Capacity	105Ah
Bluetooth Enabled	YES
Capacity @ 20A	300min (Approx.)
Efficiency	99%
Self Discharge	1-3% per month

DISCHARGE SPECIFICATIONS

Max Continuous Current	200A (Golf carts only)
Peak Discharge Current	500A (3S)
Low Voltage Disconnect	40V
BMS Discharge Voltage Cut-Off	40.0V (2.5±0.05 vpc)
Reconnect Voltage	44.8V (2.8±0.1 vpc)
Short Circuit Protection	200-400ms

CHARGE SPECIFICATIONS

Recommended Charge Current	15A-30A
Discharge Temperature	0°C to 50°C
Temperature Protection Release	/
Charge Temperature*	/
Recommended Charge Voltage	58.4V±3V
BMS Charge Voltage Cut-Off	58.4V (3.65±0.01 vpc)
Reconnect Voltage	55.2V (3.45±0.01 vpc)

BLUETOOTH FEATURES

Voltage (overall and individual cell voltages)
Current Amp Draw
Current Cell Temperature
Voltage of Individual Cells
Support OTA upgrade via Bluetooth



MECHANICAL SPECIFICATIONS

Battery Dimensions (L x W x H mm)	315x388x265mm
Battery Net Weight	47kgs
Package Dimensions (L x W x H mm)	470x365x420mm
Gross Weight	54kgs
Terminal Type	M8
Terminal Material	Brass
Case Material	Steel
Cell Type - Chemistry	Prismatic LiFePO4
Ingress Protection Rating	IP65

PRODUCT PICTURE



KEY FEATURES

BMS languages - CANbus & RS485
Sleep Mode
Gauge mode:0102 0135
Blue Tooth available: Yes
Remote Battery Main Switch Port: Yes
Active Balancing Function2A on-board integrated active balancer, with performance 80 times better than passive balancing.
Same-port Dual Relay Solution
Fire Suppression Technology (FST): Yes
In the event of excessive heat or a fire near the battery, FST discharges a proprietary chemical mixture, enveloping the interior of the battery. This process eliminates oxygen within the battery case to provide a shield from external.
Extension Remote Switch Kit: A3-meter remote switch kit is available as an optional accessory