

TECHNICAL SHEET

48V 100AH BATTERY



Bluetooth (with Volthium Bluetooth Dongle \$)



Self-Heating (optional \$)



ELECTRICAL SPECIFICATIONS

Voltage	48 volt
Capacity	100 Ah
Capacity @ 20A	300 min
Energy	4800 Wh
Auto-discharge	<3% per month
Maximum unit in series	0
Maximum unit in parallel	Unlimited

CHARGE SPECIFICATIONS

Recommended Charge Current	5 A - 50 A
Maximum Charge Current	80 A
Recommended Charge Voltage	54 V - 54.75 V (Bulk) 51 V (Float)

DISCHARGE SPECIFICATIONS

Continuous discharge current	100 A
BMS - Discharge disconnect voltage	37.5 V
BMS - Discharge reconnection voltage	43 V
Short circuit protection	Yes

TEMPERATURE SPECIFICATIONS

Discharge temperature	From -30 to 60°C
Charging temperature	From 0 to 45°C

STORAGE SPECIFICATIONS

Storage temperature	From -20 to 45°C
Storage voltage	From 49.1V to 50.3V

COMMUNICATIONS SPECIFICATIONS

Bluetooth	Dongle BT require (accessory)
Communication ports	RS485
LCD screen	No
Volthium CAN Hub Communication (VE.CAN)	Compatible

HEATING SPECIFICATIONS (OPTIONAL)

Activation temperature	From -35 to 11 °C
Activation current	7 A
Heating current	4 A
System activation mode	Automatic + Manual (Dual)

NUMBER OF CYCLES ACCORDING TO THE AVERAGE DISCHARGE % OF USE

30% discharge	8200 < cycles
80% discharge	6000 < cycles
100% discharge	3500 < cycles

MECHANICAL SPECIFICATIONS

Dimensions 520 X 268 X 243,7 mm
20.47 X 10.55 X 9.6 po

Group / format GR8D

Weight 44kg / 98 lbs

Terminal Type M8

Tightening torque on terminals 8~10nm / 6-8 ft/lb



CERTIFICATIONS & DESIGN

Design 15S1P

Certifications Cells : UL1642 /
UL1973 /UL9540A /
IEC62619 / IEC62660 / RoHs

Shipping Classification UN 3480 | CLASS 9

Cell type SquareCell - LiFePO4 -
105AH - 3.2V Grade A+

