



GENERAL SPECIFICATIONS

Nominal Voltage	12,8 V
Nominal Capacity	100 Ah / 1280 Wh
Resistance	≤ 30 mΩ
Efficiency	99 %
Self Discharge	≤ 1,5 % / month
Maximum Batteries In Series	4
Maximum Batteries In Parallel	4
Cycle Life	≥3000 bei 90% DoD

DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	100 A (30 min)
Pulse Discharge Current	≤ 300 A (3 s)
Recommended Low Voltage Disconnect	11 V
BMS Discharge Voltage Cut-Off	10 V ± 0,16 V
BMS Reconnect Voltage (Discharging)	11,2 V ± 0,16 V

TEMPERATURE SPECIFICATIONS

Discharge Temperature	- 20 °C bis 60 °C
Charge Temperature	- 20 °C bis 45 °C
Recommended Storage Temperature	10 °C bis 35 °C
BMS Discharge Cut-Off Temperature	70 °C

CHARGE SPECIFICATIONS

Recommended Charge Current	60 A
Maximum Charge Current	100 A
Recommended Charge Voltage	14,6 V ± 0,5 V
Float Charge Voltage (Standby use)	13,8 V ± 0,2 V
BMS Charge Voltage Cut-Off	15,0 V ± 0,12 V
BMS Reconnect Voltage (Charging)	14,4 V ± 0,16 V

HEATING ELEMENT SPECIFICATIONS

Heating Temperature Range	- 20 °C bis 5 °C
Heating Power	8 A
Heating Condition	when charging batterie and temperature is below -2 °C

COMPLIANCE SPECIFICATIONS

Certifications	CE (battery), UL1642 and IEC62133 (cells)
Shipping Classification	UN 3480, class 9

DIMENSIONAL SPECIFICATIONS [mm]

