



**MAPLE LEAF**  
*power systems*

www.MapleLeafPowerSystems.com

# 51.2V100Ah

Model: BAML48V100AHH  
Chemicals: Lithium iron phosphate (LiFePO4)  
Nominal Energy: 5,120Wh  
Rate Capacity: 100 Ah  
Nominal Voltage: 51.2V  
Charge Voltage: 58.4V  
Low Voltage Disconnect: 48V (Recommended)  
Max Charge Current: 70A  
Max Discharge Current: 100A  
IP Grade: IP20

mapleleafpowersystems.com



**RECOGNIZED  
COMPONENT**



**Intertek  
5025601**

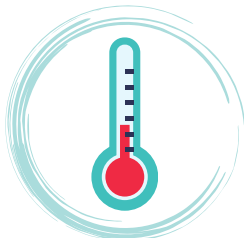
CONFORMS TO ANSI/CAN/UL STD.1973

IP20

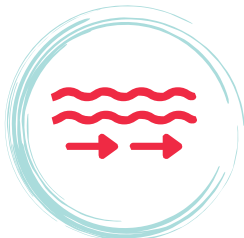
Temp range: -25°C to 60 °C



**Over-Voltage  
Protection**



**Temperature  
Protection**



**Over-Current  
Protection**



**Short-circuit  
Protection**



**Heating Element  
for Canadian  
winters operations**

# TECHNICAL SPECIFICATIONS

Item	Characteristics
Normal Capacity	100Ah
Nominal Energy	5.12KWh
Float Voltage	54.6V
Internal Resistance	$\leq 30\text{m}\Omega$
Normal Charge Voltage	56V
Float Charge Voltage (for standby use)	$13.8\pm 0.2\text{V}$
Allowed MAX charge current	70A
Allowed MAX discharge current	100A
Dimension	Length 521 $\pm$ 2mm Width 280 $\pm$ 2mm Hight 235 $\pm$ 2mm
Weight (No accessories)	40 $\pm$ 0.5Kg
Operation temperature	Charge -35~45°C Discharge -20~55°C