



MAPLE LEAF
power systems

Maple leaf 48v 100Ah Server Rack Beaver

Introducing the new Maple Leaf 48V100A Server Rack Beaver Battery—an advanced energy storage solution prioritizing safety and adaptability. Crafted with LiFePO4 chemistry, it meets top international safety standards, offering a secure and reliable power source. Its modular design supports up to 32 batteries, featuring a built-in pre-charge circuit for smooth connections to different inverter/chargers



Caution

Electric shock hazard.
Do not connect in reverse or short circuit.
Do not expose to excessive heat.
Do not disassemble.
Do not impact & crush.

Risque de choc électrique.
Ne vous connectez pas en marche
arrière ou en court-circuit.
Ne pas exposer à une chaleur excessive.
Ne pas démonter.
N'avez pas d'impact et écraser.



This innovative battery includes automatic dynamic addressing for multiple units and a robust Built-in Battery Management System (BMS) that ensures protection from various risks. With LiFePO₄ as the cathode material and automatic balancing, the Battery 48V100A guarantees an extended cycle life.

Compact and lightweight, it's easily installed and maintained, with multiple brackets to suit diverse customer needs. Complete with an LED display, CAN/RS485 port, and rapid shut-down for the North American market, this battery is your go-to solution for off-grid and backup applications.



96% DOD



LED display



**CAN/RS485
port**



**BMS
firmware**

The Built-in BMS delivers crucial warnings and protective functions for enhanced battery safety.



Over-discharge Protection



Over-charge Protection



Temperature Protection



Over current Protection



Short-circuit Protection



Real-time Monitoring

TECH & SPECS

Item/Model	Rs-R51100A	
Rated Voltage	51.2V	
Max. Voltage Range	44.8~57.6V, Shipping Voltage>51.2V	
Charge Voltage	56.0V	
Float Charge Voltage	54.6V	
Nominal Energy@0.2C	5.12kWh	
Usable Energy@0.2C	4.92kWh	
Nominal Capacity@0.2C	100Ah	
Dimension	482*133.5*460mm(18.9*5.2*18.1)	
Weight	~46kg(101lb)	
Standard Discharge Current	≤50A	
Max. Charge Current	70A	
Standard Discharge Current	≤50A	
Max. Discharge Current	100A (initial temp. ≤30°C)	
Peak Discharge Current	101~119A@5mins 120~200A@15S	
Communication	RS485/CAN	
Max. Parallel Number	32pcs	
Operation Temperature 1	Charge: -5~50°C, Discharge:-10~50°C Discharge: -20~50°C (Beaver 48VH Model)	
Storage Temperature @off mode	0°C<T<30°C -10°C<T<45°C	<6 months <3 months
Recommended Environment	15~35°C, 5~75%RH	



www.MapleLeafPowerSystems.com

