

## Maple leaf 48v 100Ah Server Rack Beaver

power systems

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

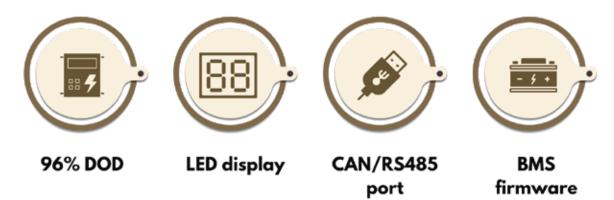
Electric shock hazard. Do not connect in reverse or short circuit. Do not expose to excessive heat. Do not disassemble. Do not impact & crush. Risque de choc électrique. Ne vous connectez pas en marche arrière ou en court-circuit. Ne pas exposer à une chaleur excessive. Ne pas démonter. N'avez pas d'impact et écraser.

Intertek

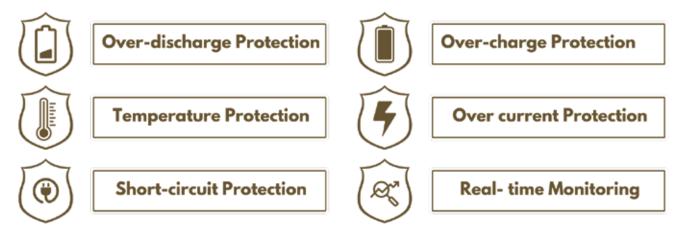


This innovative battery includes automatic dynamic addressing for multiple units and a robust Built-in Battery Management System (BMS) that ensures protection from various risks. With LiFePO4 as the cathode material and automatic balancing, the Battery 48V100A guarantees an extended cycle life.

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.



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



www.MapleLeafPowerSystems.com

## 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. $\leq 30^{\circ}$ 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)
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Storage Temperature @off mode

0°C<T<30°C -10°C<T<45°C Recommended Environment <6 months <3 months 15~35°C, 5~75%RH



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