

encore

200%

More Power
Than Chemical
Batteries

5x

Charges Five
Times Faster

50%

Lighter In
Weight

4x

Lasts Four
Times Longer

100%

Safe &
Reliable

LiFePO₄

48V
Wall mount
Battery



StoreBOX[®]

Lithium Iron Phosphate Battery

- Active & Passive Balancing Algorithm
- Perfect Energy Storage For Solar Applications
- Long Life, Deep Cycle & Extremely Safe

48V 100AH



Applications



"Encore StoreBOX series is a complete range of 48V LiFePO4 (Lithium Iron phosphate) battery products. The 48V 100AH battery unit is designed specifically for applications such as solar energy storage systems and EV charging stations; with advanced life, wall mount design, light weight and strong environmental adaptability"



Battery Specification		LFP-48100WM
Nominal Voltage		48VDC
Rated Capacity		100AH / 4.8KWH
Optimal Charge Current		50A
Discharge End Voltage		40VDC
Optimal Discharge Current		50A
Discharge Current (Max.)		100A
Charge Voltage (Max.)		54.75VDC
Dimensions	Width	442 mm
	Height	600 mm
	Depth	177 mm (4U)
Typical Weight		Approx: 50 Kg

Layout of Front Panel		LFP-48100WM
Status Display		Digital Graphics LCD
Terminal Size		M8 (Screw Size)
Communication Ports		RS485
Protection		Circuit Breaker

Operational Environment		LFP-48100WM
Temp. Range	Discharge	0 ~ 55C
	Charge	-20 ~ 55C
	Storage	-20 ~ 25C (< 1 Year)
		-20 ~ 40C (< 6 Months)
Humidity		5% to 95%



Fast Charge

High Current Handling



Longer Life

High Cycles at 100% DoD



Highest Scalability

Parallel Connections



Easy Installation

Plug n Play Replacement



Clean Energy Storage

Best Suited for Hybrid Projects



Intelligent BMS

Precise Balancing Algorithm



"**Encore ThingsNET** provides easy-to-use visibility and control options; which makes us capable of providing the most perfect corporate solutions by maximizing service efficiency. Our prized RMS is a complete IOT solution that brings together people, processes, data and things; to make networked connections more relevant and valuable than ever before!"



"**Encore StoreBOX** provides incomparable longevity and optimization statistics. The embeded microcomputer intelligence, along with our sophisticated proprietary algorithm that goes in each unit, makes us stand out from the rest of the herd. With extensive R&D, we unravel storage solutions that are better than anything out there!"



"**Encore PoweredON** is the energy centric platform of our organization. Our smart product designs offer fully featured devices with the most efficiently designed footprints. Mixing this up with our state-of-the-art proprietary algorithm and our relentless R&D towards innovating renewable energy systems, we provide the most optimal power solutions."



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