

# encore

200%

More Power  
Than Chemical  
Batteries

5x

Charges Five  
Times Faster

50%

Lighter In  
Weight

LiFePO<sub>4</sub>

4x

Lasts Four  
Times Longer

100%

Safe &  
Reliable



**StoreBOX**®

Lithium Iron Phosphate Battery

- Precise & Intelligent Balancing Algorithm
- Plug n Play Replacement
- Long Life, Deep Cycle & Extremely Safe

**12V 50AH - 100AH**





## Applications



Solar



EV Stations



UPS



Telecom

MODELS	LFP - 12050	LFP - 12075	LFP - 12100
Nominal Voltage	12.8 VDC		
Operating Voltage Range	10.5 Vdc - 14.5 Vdc		
Nominal Capacity	50 AH	75 AH	100 AH
Nominal Energy	640 Wh	960 Wh	1280 Wh
Continuous Charging	25 Amps.	37.5 Amps.	50 Amps.
Fast Charging Current	50 Amps.	75 Amps.	100 Amps.
Operating Temperature	Charging; 0 ~ 45 C Discharging; -20 ~ 60 C		
Continuous Discharging	50 Amps.	75 Amps.	100 Amps.
Fast Discharging	100 Amps.	150 Amps.	200 Amps.
Internal Resistance (IR)	<= 10mΩ	<= 7.5mΩ	<= 5mΩ
Storage Temperature	< 1 Year; -20 ~ 25 C < 3 months; -20 ~ 40 C		
Dimensions (HxWxD)	(156 x 198 x 165) mm	(210 x 258 x 170) mm	(210 x 258 x 170)mm
Weight (Net)	5 Kg	8 Kg	10 Kg
Shelf Life	15 - 20 years		
Cyclic Life	3000 - 8000 cycles (From 80% to 30% DoD)		
Internal Monitoring	Event Recording - DoD Cycles, Highest/Lowest (Battery Temp, Current, Voltage)		
String Connections	Series Connections (Up to 4 units/48VDC), Parallel Connections (Up to 4 units)		



12V 50AH / 640WH



12V 75AH / 960WH



12V 100AH / 1280WH



**Fast Charge**  
High Current Handling



**Longer Life**  
High Cycles at 100% DoD



**Highest Scalability**  
Parallel Connections (Up to 4 units)  
Series Connections (Up to 4 units)



**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



"*Encore StoreBOX* provides incomparable longevity and optimization statistics. The embedded 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.



**Encore Solutions Pvt. Ltd.**

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