

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



StoreBOX[®]

Lithium Iron Phosphate Battery

12V 100AH / 1280WH



- Precise & Intelligent Balancing Algorithm
- Extensive Series & Parallel Connections
- Long Life, Deep Cycle & Extremely Safe

Specifications



Fast Charge

High Current Handling



High Cycle Life

Long Life, Reliable, Safe



Scalable Capacity

Series & Parallel Connections

Nominal Voltage	12.8 Vdc
Nominal Capacity	100 AH
Nominal Energy	1280 Wh
Operating Voltage Range	10.5 Vdc - 14.5 Vdc
Continuous Charging	50 Amps.
Fast Charging Current	100 Amps.
Continuous Discharging	50 Amps.
Fast Discharging	100 Amps.
Internal Resistance (IR)	$\leq 3\text{m}\Omega$
Operating Temperature	Charging: 0 ~ 45 C Discharging: -20 ~ 60 C
Storage Temperature	< 1 Year; -20 ~ 25 C < 3 months; -20 ~ 40 C
Dimensions (HxWxD)	210mm x 258mm x 165mm
Weight	10 Kg

Internal Monitoring

Event Recording

Total Battery Cycles
Highest Temperature
Lowest Temperature
Highest Charging Current
Lowest Charging Current
Highest Battery Voltage
Lowest Battery Voltage



Intelligent BMS

Precise Balancing Algorithm



Easy Installation

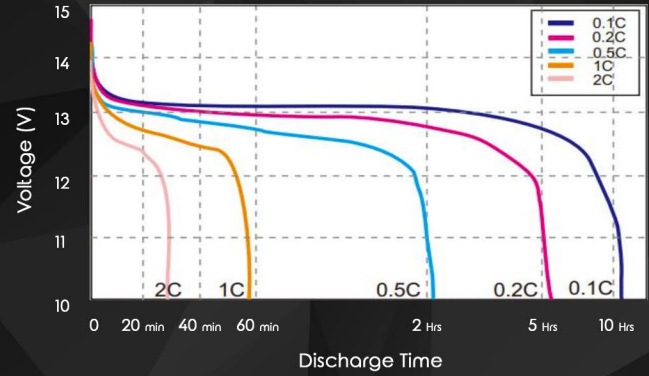
Plug n Play Replacement



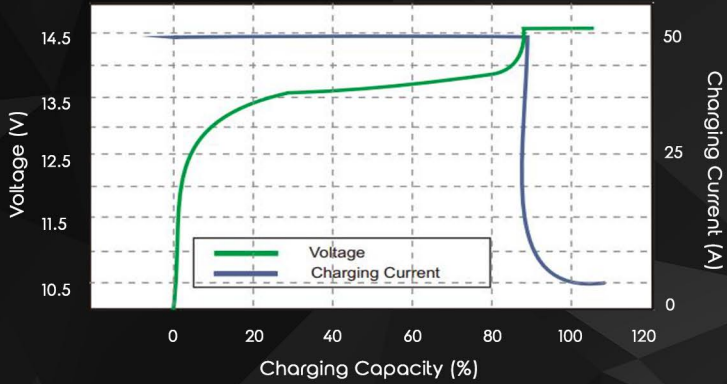
Clean Energy Storage

For Large Hybrid Projects

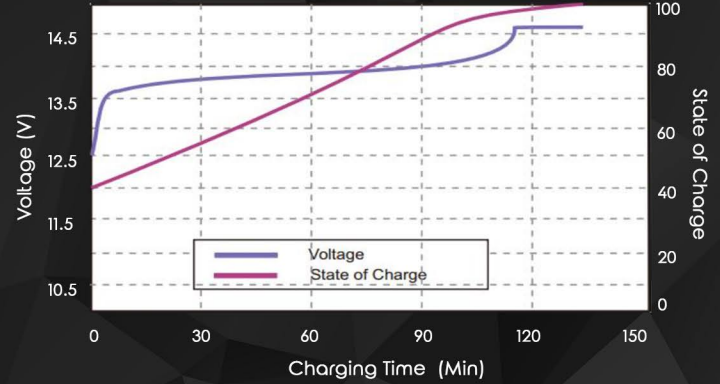
Different Rates Discharge Curve @ 25°C



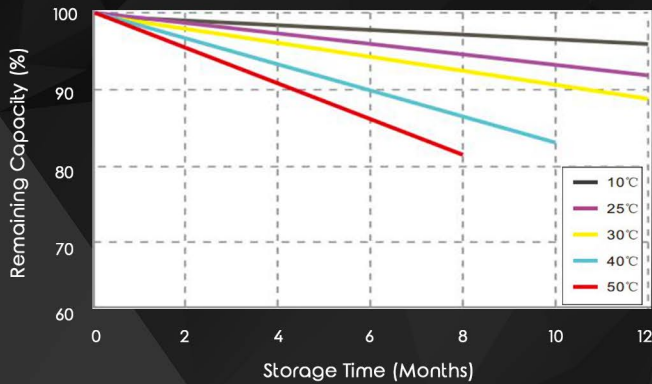
Charging Characteristics @ 0.5 C 25°C



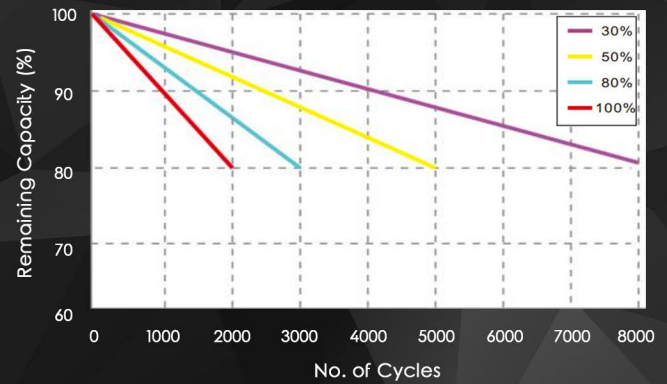
State of Charge Curve @ 0.5 C 25°C



Different Temperatures Self Discharge Curve



Different DOD Discharge Cycle Life Curve @ 1C





"*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 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.

Plaza 44-1, Street 26, Business Bay,
Sector F DHA Phase I,
Islamabad, Pakistan



www.facebook.com/encoresol



+92-300-5568248



info@encore.com.co



www.linkedin.com/company/encoresolutions



+92-51-8730000