

CAPSOL-LFP-51.2V-100Ah-5.12kWh

- Safety in use
- Low self-discharge rate
- Wide temperature performance
- Long service life
- EVE cells with traceable QR code
- BMS with Bluetooth communications capabilities
- Mobile interface for data monitoring
- Mobile interface for data programming
- Active Balancer BMS
- High energy density and conversion efficiency
- Environmentally Friendly
- Easy installation, easy maintenance, easy replacement for lead-acid battery



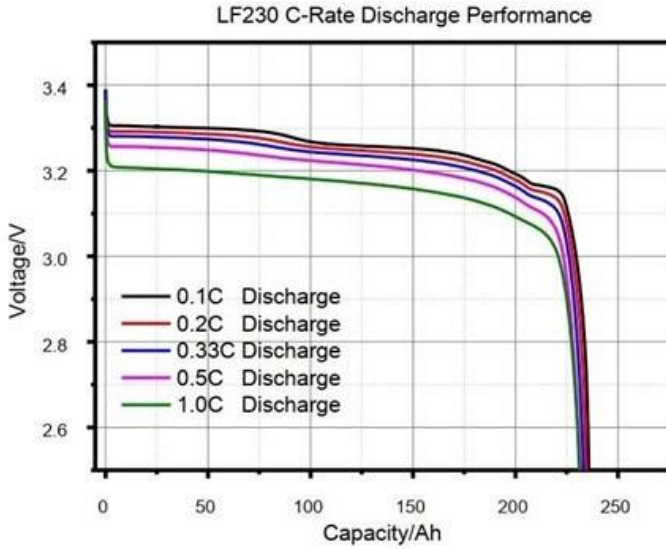
Item	Specification
Model	CAPSOL-LFP-51.2-100
Rated Capacity	100Ah
Nominal Voltage	51.2V
Max Charge Voltage	57.6V
Discharge Cut Off Voltage	44.0V
Charge Current-up to	40.0A
Max. Continuous Discharging Current	35.0A (Recommended 30A)
Cell	3.2V 100Ah LiFePO4 EVE Cell
Weight	Up to 42kg
Terminal	Screw Terminal
BMS Protection	Over-Charge, Over-Discharge, Over-Current, Short Circuit, Over-Temperature, and Communication
Dimension (mm)	590*350*170mm
Outer Package Material	Iron Case
Operating Temperature	Charging: 0~55°C Discharging: -20~60°C Storage: -10~45°C
Cycles	3500 cycles @80% D.o.D. 6000 cycle @65% D.o.D.
Recommended SOC Window	10%~90%
Cells Standards Compliance	Products meet GB, UN, ROHS Certification Requirements
BMS	Bluetooth and Mobile Interface Capability
Design Lifespan	5~10 years
Warranty	1 year, enable to prolong

Solaris Solutions FZ-LLC

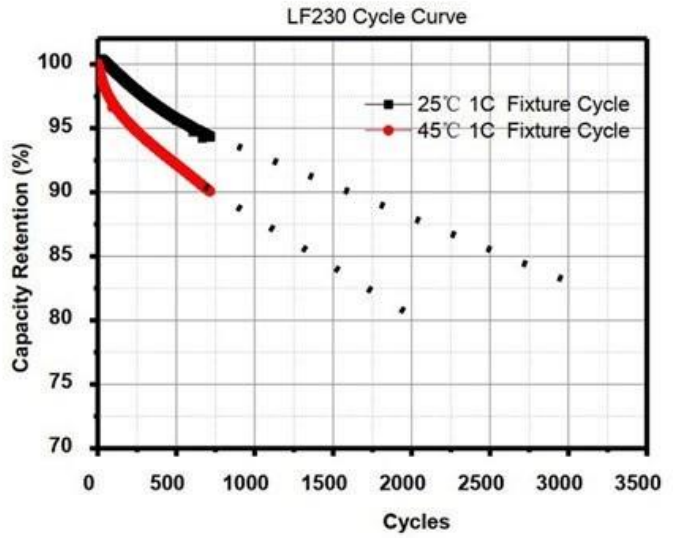
- Address: Jebel Ali Free Zone – Dubai – UAE
- Mobile: +971 4 801 5302
- Website: www.solarissolutions.co

BATTERY CELL PERFORMANCE GRAPH

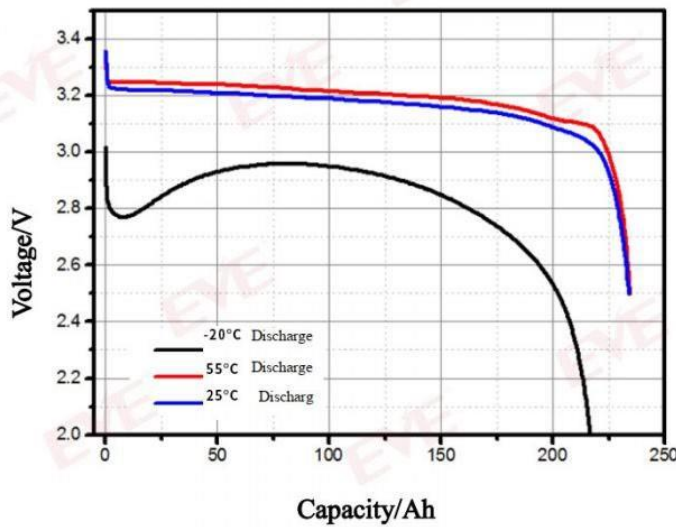
1、 C-Rate Discharge Performance at 25°C



2、 Cycle curve(1C/1C 3.65V-2.5V)



Discharge curves at different temperature



(Note: the above data are from EVE's laboratory)

* Specifications subject to change without notice.

PRECAUTIONS

- a. When charging and discharging the battery, ensure that the battery voltage, current and temperature are monitored and protected.
- b. Keep the battery away from heat sources, fire sources, and other corrosive environments such as heat and strong acids and alkalis.
- c. Keep the battery in a dry and ventilated location to avoid moisture which can lead to damage to cells and BMS
- d. Do not short the battery or install it with incorrect polarity at any time
- e. Do not mix batteries of different models or different manufacturers.
- f. Do not use external force to drop, impact or puncture the battery
- g. Do not disassemble the battery or change the external structure
- h. When the battery is not used for a long time, please keep the battery charge at 30% ~ 50% SOC, and avoid direct sunlight or high temperature and high humidity environment.
- i. When operating the battery, you need to wear protective equipment such as rubber gloves
- j. If the battery leaks, smokes or is damaged, please stop using it immediately and contact us.