

LFP12-300 (LiFePO₄ 12.8V 300Ah, 3840.0Wh)

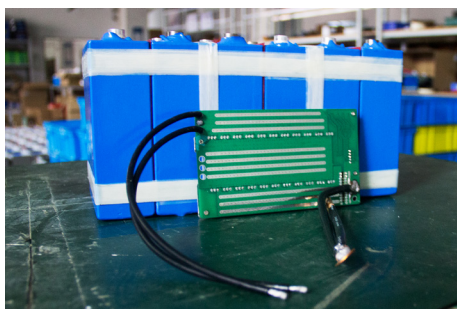
- Safety in use
- Low self discharge rate
- Good high temperature performance
- High Cycle times and long service life
- High energy density and conversion efficiency
- Environmental Friendly, without any heavy metals
- Easy installation, easy maintenance, easy replacement on solar street light.



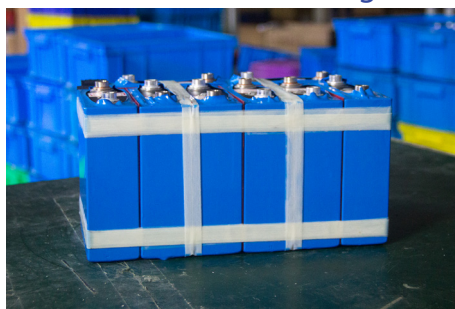
Item	Specification
Model	LFP12-300
Rated Capacity(10HR)	300Ah
Nominal Voltage	12.8V
Discharge Cut-off Voltage	10.0V
Charging Limited Voltage	14.6V
Standard. Charging Current	60.0A
Max. Discharging Current	300.0A
Weight	Approx. 38.0kg
Plug	Screw Terminal / Custom
BMS (Battery Management System)	Optional
Dimension (mm)	560*269*220mm (L*W*H) / Custom
Containing Cell	3.2V
IP Class	IP65
Outer Package Material	ABS
Operating Temperature	Charging: 0~45°C Discharging: -20~60°C Storage: -20~60°C
Cycles	2000 cycles @100% D.o.D, remaining 80% Capacity
Design Lifespan	18~20 years

Product Design

BMS



LiFePO₄ Cell Package



LiFePO₄ in Box

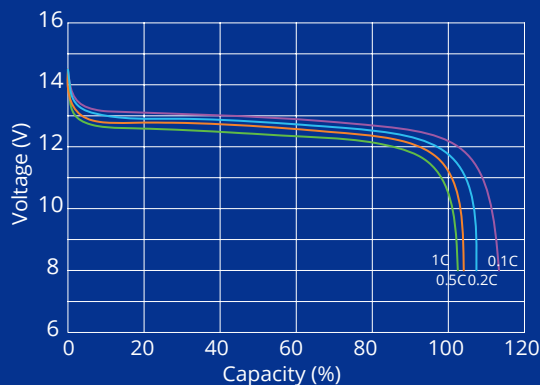


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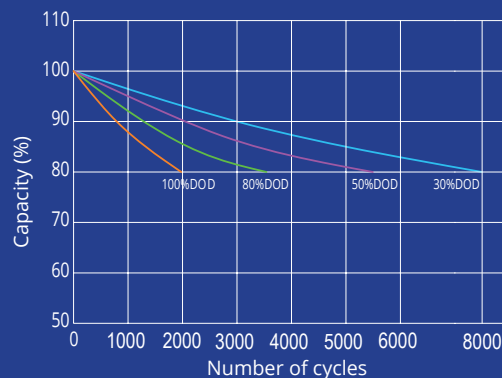
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- E-mail: info@greensunpv.com
- Website: greensunpv.com

Lithium iron Phosphate (LiFePO₄) Battery

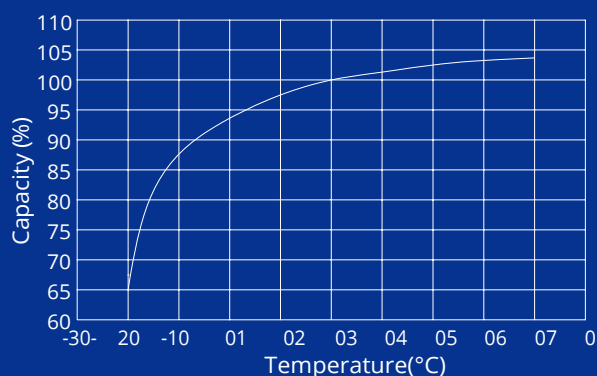
Discharge Time VS. Discharge Current (25°C)



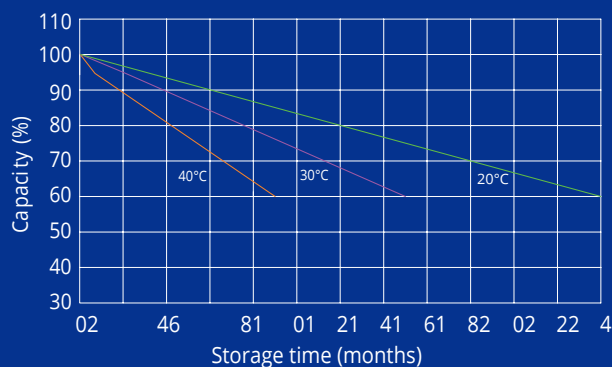
Cycle Service Life



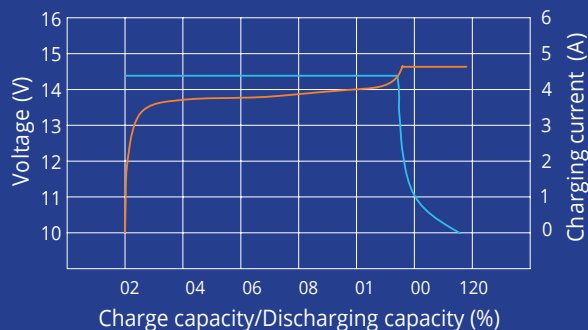
Temperature effects on capacity



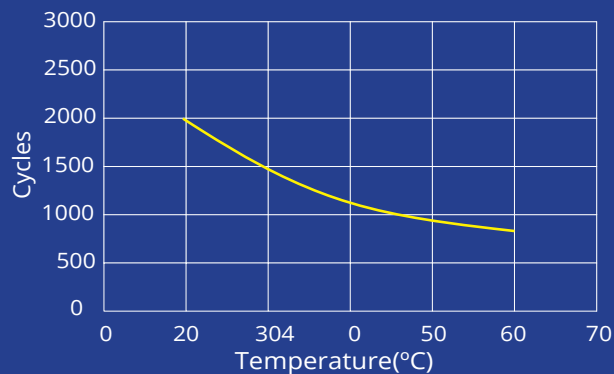
Self-discharge characteristic



Battery charging characteristics



Cycle life in relation to temperature



* Specifications subject to change without notice.

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