

LFP12-8(LiFePO₄ 12.8V 8Ah, 102.4Wh)

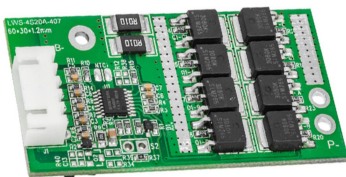
- Safety in use
- Low self discharge rate
- Good high temperature performance
- High Cycle times and long service life
- High energy density and conversion efficiency
- Environmental Friendly, without any heavy metals
- Easy installation, easy maintenance, easy replacement on solar street light.



Item	Specification
Model	LFP12-8
Reted Capacity(10HR)	8Ah
Nominal Voltage	12.8V
Discharge Ending Voltage	10.0V
Charging Limited Voltage	14.6V
Max. Charging Current	4.0A
Max. Continue Discharging Current	8.0A
Weight	Approx. 1.0kg
Plug	Screw Terminal / Custom
BMS (Battery Management System)	Included BMS
Dimension (mm)	151*65*94mm (L*W*H) / Custom
Containing Cell	3.2V 4Ah
IP Class	IP54
Outer Package Material	ABS
Operating Temperature	Charging: 0~45°C Discharging: -20~60°C Storage: -20~60°C
Cycles	3000 cycles
Design Lifespan	15~20years

Product Design

BMS



LiFePO₄ Cell Package



LiFePO₄ in Box

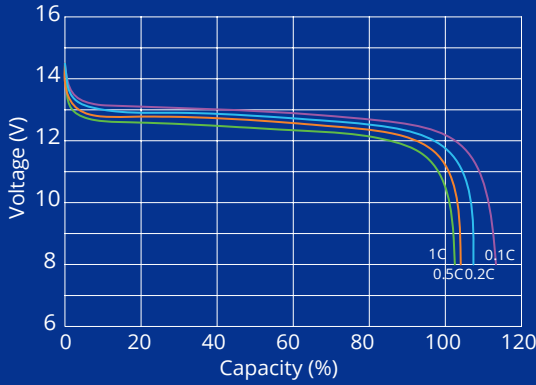


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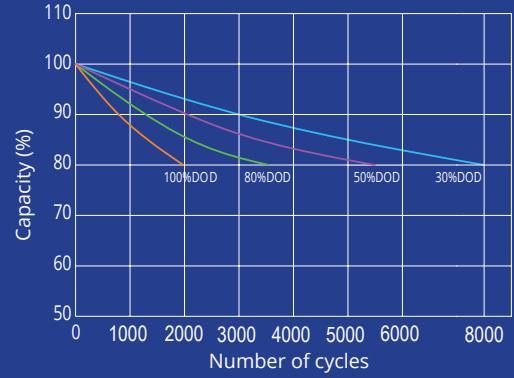
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- Tel: 86-755-29822748 Fax: 86-755-29822462
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Lithium iron Phosphate (LiFePO₄) Battery

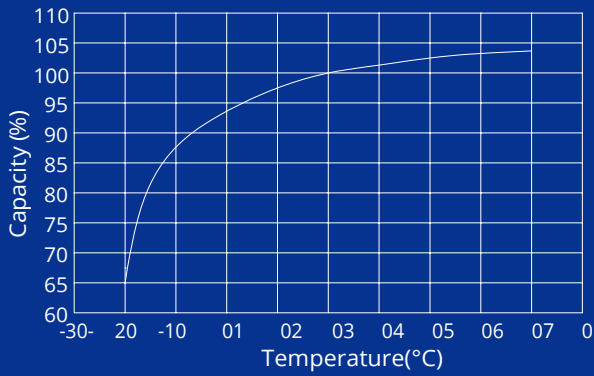
Discharge Time VS. Discharge Current (25°C)



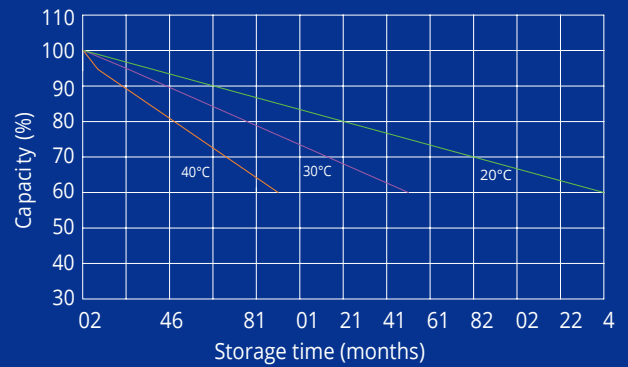
Cycle Service Life



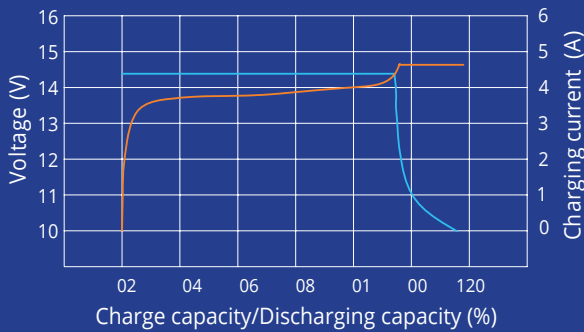
Temperature effects on capacity



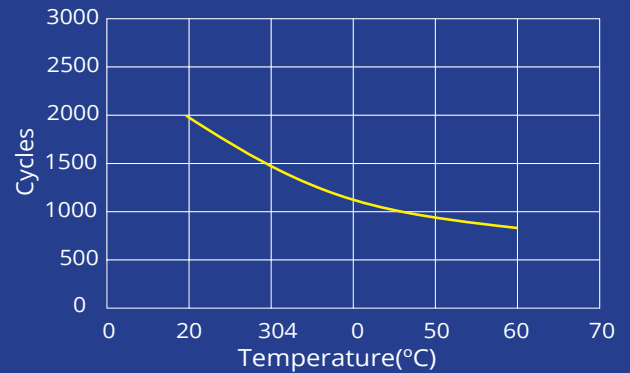
Self-discharge characteristic



Battery charging characteristics



Cycle life in relation to temperature



* Specifications subject to change without notice.

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