



Mottcell
山木新能源

深圳市山木新能源科技股份有限公司
Shenzhen Mottcell New Energy Technology Co., Ltd

Add: Mottcell Industrial Park, Wushi Road, Kengzi Street, Pingshan District, Shenzhen City, China
Tel: 0086-0755-84042755 Fax: 0086-0755-84042963



MODEL: SM-LFP-14250-170mAh
- LiFePO4 Battery cell

GENERAL

Nominal Voltage	3.2V
Nominal Capacity	170mAh
Energy density	60.4Wh/Kg
Resistance	≤120 mΩ

CHARGE

Charge condition	CC to CV
Maximum Charge Current	0.17A

DISCHARGE

Discharge cut voltage	2.0V
Standard constant discharge current	0.08A
Fast constant discharge current	0.17A
Max constant discharge current	0.51A
Peak discharge current	0.85A, 5s

MECHANICAL

Dimension (Diameter x Height)	14*25 mm
Weight	approx.9 g
Cycles	2000 times

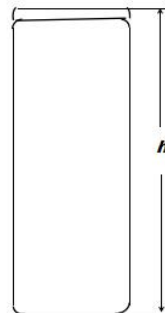
TEMPERATURE

Discharge Temperature	-20 ~ 60 °C
Charge Temperature	0 ~ 55 °C
Storage Temperature	-20 ~ 55 °C

COMPLIANCE

Certifications	CE, BIS, UN38.3, UL1642, IEC62133
Shipping Classification	UN 3480, CLASS 9

OUTLINE DIMENSION



d (mm)	h (mm)
14.1 ± 0.2	24.2 ± 0.3



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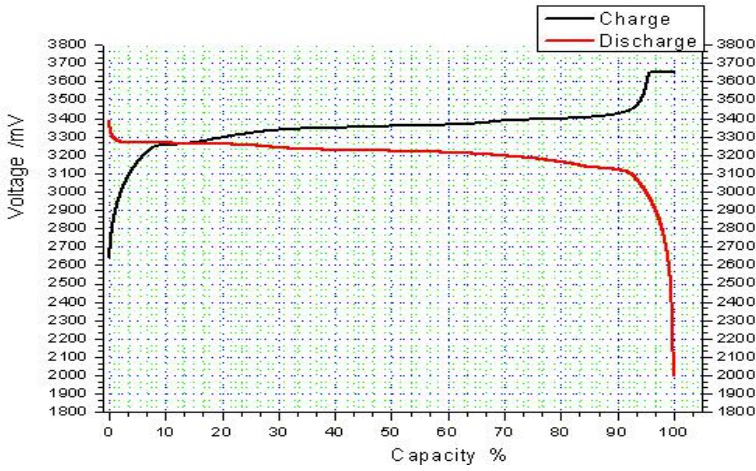
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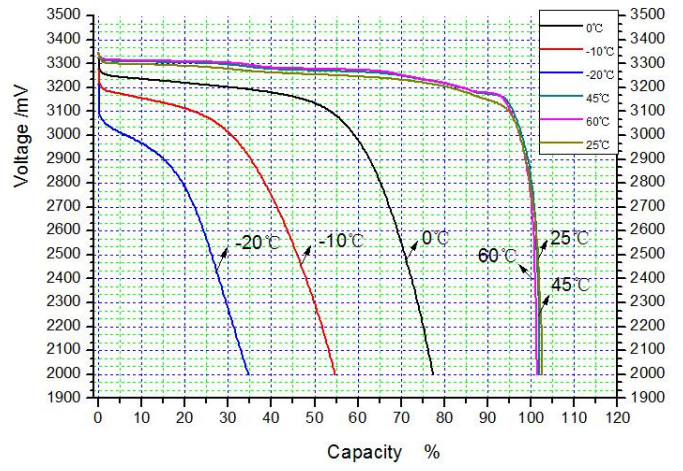
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CHARACTERISTICS

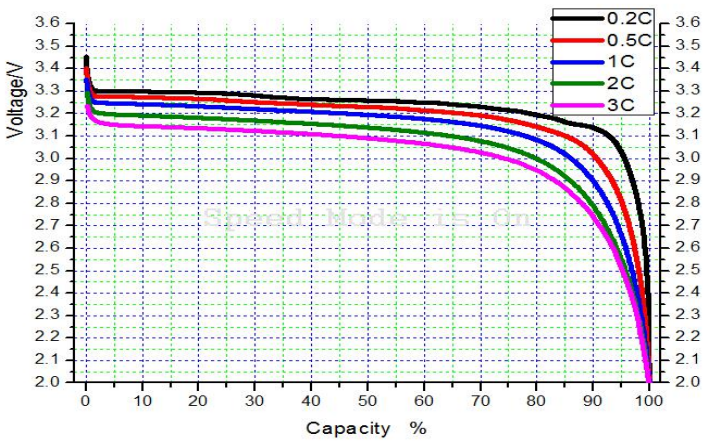
Charging/Discharging Curve



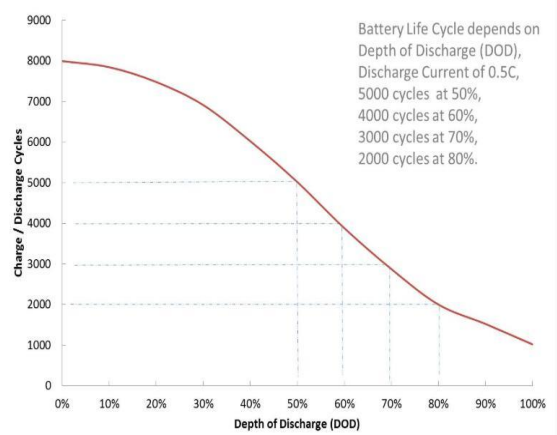
Difference Temp Discharging Curve



Difference Rate Discharging Curve



Cycle Life @ DOD Curve



CAUTIONS

- Do NOT short circuit, reverse polarity, crush or disassemble.
- Do NOT heat or incinerate.
- Do NOT immerse in any liquid.
- Only use LiFePO4 charger.
- Store at 30~50% SOC. Recharging every 3 months is recommended.
- The storage area should be clean, cool, dry and ventilated.