



# Encube Series VC1250

12V LiFePO<sub>4</sub> Li-ion Battery



Cell Balancing Extend lifetime of battery. Current >300mA



Safe and reliable  
The safest LFP battery cell



Maintenance Free



Battery management system with chip



Supports series and parallel use



High compatibility  
Support to connect with lead-acid battery

## Application Scenario



RV



Solar light



Golfcart



Marine



Camera



Household



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## Electrical

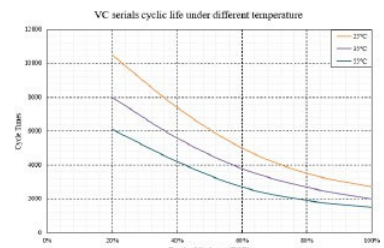
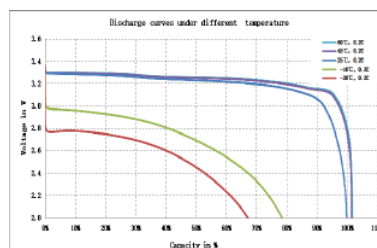
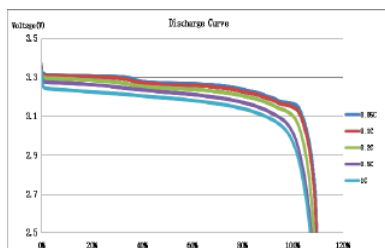
Nominal Voltage/V	12.8
Nominal Capacity/Ah	50
Rated Energy/Wh	640
BMS Function	Overcharge, overdischarge, overcurrent and temperature protection
Recommended Charge Voltage/V	14.4 - 14.6
Discharge Cut-off Voltage/V	10.8
Standard Charge Current/A	20
Max. Charge Current/A	20
Continuous Discharge Current/A	20
Peak Discharge Current/A@5S	40
Maximum Configuration	Increase capacity in series
Maximum Time Between Charges	3 months

## Mechanical

Dimension(L*W*H)/ mm	223*150*178
Weight/kg	Approx.7.5
Terminal	M6
Casing material	ABS

## Environment

Working Temperature Range/°C	Charge : 0~55    Discharge: -20~60
Humidity Range/RH	<95%
Storage temperature/°C	15~35
IP protection level	IP65



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