

# Encube Series VC12100 Plus

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



Cell Balancing, Extend lifetime of battery, Current >300mA



Safe and reliable  
The safest LFP battery cell



Bluetooth built-in  
Easy to access battery status



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



Website: [www.power-revolution.co.za](http://www.power-revolution.co.za)



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# Electrical

Nominal Voltage/V	12.8
Nominal Capacity/Ah	100
Rated Energy/Wh	1280
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	50
Max. Charge Current/A	100
Continuous Discharge Current/A	100
Peak Discharge Current/A@5S	300
Voltage Configurations	12,24,36 or 48V
Maximum Configuration	Increase capacity in series or increasing voltage parallel
Maximum Time Between Charges	3 months
Monitoring	Bluetooth

# Mechanical

Dimension(L*W*H)/ mm	307*169*213
Weight/kg	Approx.11.5
Terminal	M8
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

