

# 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



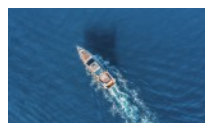
RV



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                               |

