

Encube Series VC12100 Plus

12V LiFePO4 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



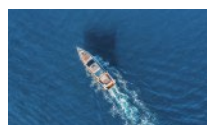
Toy Car



Solar light



Electrical Tools



Marine



Camera



Household



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Electrical

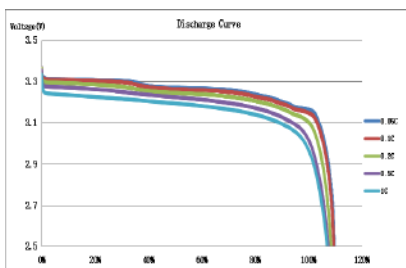
| | |
|--------------------------------|---|
| Nominal Voltage/V | 12.8 |
| Nominal Capacity/Ah | 100 |
| Rated Energy/Wh | 1280 |
| BMS Function | Overcharge, overdischarge, overcurrent and temperature protection |
| Recommended Charge Voltage/V | 14.4 - 14.6 |
| Discharge Cut-off Voltage/V | 10.8 |
| 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 | Increased 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 |

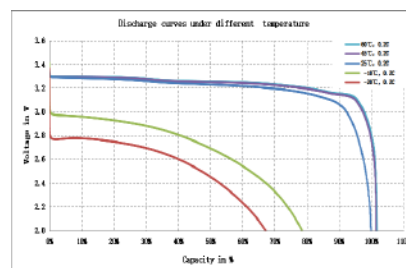
Environment

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



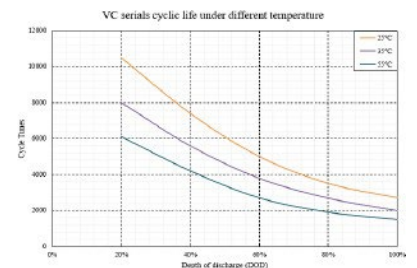
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