

Pytes

E-BOX 12100





E-BOX 12100 ensures more than 4000 life cycles, low heat generation and high efficiency during high power transmission. The modular design easily improves the average charging efficiency. BMS enables comprehensive protection features and real-time monitoring.



## Outstanding Performance

**1C**

1C Continuous  
Output Power

**IP57**

High Protection Grade  
Enrich More Applications

**60%**

Lighter against  
Lead Acid Battery

**4000+**

cycles  
Longer Life Span

**7**

7 BMS Protections  
Ensure Safe Use

**19.2kWh**

Easy to Expand Up to 19.2kWh  
Maximum 2 in series per 8 in parallel



## Key Features

### 1 Powerful

1C discharge rate, continuous output power, suitable for applications that require quick bursts of power.

### 2 Reliable

The upgraded Battery Management System (BMS) with a high performance processor is able to resist load fluctuations while maintaining balanced voltage on all batteries.

### 3 Smart

Features advanced RS485 communication port your battery will be able to communicate with hyper terminal, allowing you to monitor the state of the battery in real time.

### 4 Wider Operation Temperature

By using a heating pad, battery's temperature can be maintained within an optimal operating range, ensuring consistent performance and better overall battery efficiency and extending its lifespan.

### 5 Auto-balancing Function

Easily connect multiple batteries in parallel/series with the auto-balance function to increase the average charging efficiency of the batteries over long periods of use.



Power A Better Life

Reliable and Affordable Energy Storage Solution



APPLICATIONS



# TECHNICAL SPECIFICATIONS

Electrical	
Rated Capacity	100Ah
Nominal Voltage	12.8V
Voltage Range	10.8V~14.4V
Maximum Continuous Charging Current	DC 50A
Maximum Continuous Discharging Current	DC 100A
Insulation Resisitance	<4.6mΩ
Series Connection Allowed:	Up to 2S (2S8P)
Parallel Connection Allowed:	Up to 8P
Cycle Life	4000 cycle (@80% DOD)
Self-Heating	Temperature Rise: 10°C(18°F)/Hour, Operation Temperature: -18°C~10°C(-0.4°F~50°F)
Environment	
Operation Temperature	14~131°F
Storage Temperature	-4~140°F
Altitude	<4000m(13123.35ft)
Operation Humidity	0~95%, No Condensation
Structure	
Dimensions (L*W*H)	12.6*6.5*7.9 inch / 320*165*200mm
Weight	33.6 lbs / 15.2kg
Power Terminal	M8 Bolt
Protection Rate	IP57
Communication	
Port	RS485, CAN
Certification	
UN38.3, IEC62619, CE	
Warranty	
5 Years	





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