TWS OmniV-P1260 Battery PACK

TWS Technology with Spirit

TWS OmniV series standard lithium-ion battery pack, with the advantages of intelligent networking and high scalability, can be used in various applications, including industrial, power battery and energy storage system, etc.

OmniV-P1260 12.8V 60Ah 768Wh

Key Benefits

- Easy system integration with one click configuration
- Intelligent self-diagnosis
- Extremely low power consumption at shutdown mode
- CAN/CANopen communication
- 1C fast charging
- IP 67 grade

General

Size (L x W x H) in mm	92 x 155 x 350
Cell Chemistry	LiFePO4
Communications	CAN/CANopen
Weight	≈ 6.1 kg
Environment Compliance	RoHS and REACH compliant
Power Connection	Positive terminal: M6 screw Negative terminal: M5 screw
Communication Port	Type: 2 x M8, plug, male sockets
Connection	TE T4030014041-000 or same size model

Applications

- Car jump starters
- Emergency backup power
- Lawn & Garden Power tools
- Medical
- Bluetooth speaker
- Street lamp
- Mobility lighting
- Communication base station

Electrical Specifications

Nominal Voltage	12.8 V
Nominal Capacity	60 Ah/768 Wh
Charging Method	CC / CV
Max. Charge Voltage	14.6 V
Max. Cont. Charge Current	60 A
Max. Cont. Discharge Current	80 A
Cycle Life	Up to 4000 cycles
Scalability	Up to 10 packs in parallel

Certifications

CE · c UL us E309412 · IEC · UK CA · UN38.3

TWS OmniV-P1260 Battery PACK

Technology with Spirit

OmniV-P1260 12.8V 60Ah 768Wh

Scalable Battery System

Battery System Intelligence

- Easy system integration with one click configuration
- Advanced status indicator
- Support 125 kbps to 1 Mbps communication
- Intelligent self-diagnosis
- Advanced cell and pack balancing
- Reverse polarity and short circuit protection

Battery System Performance

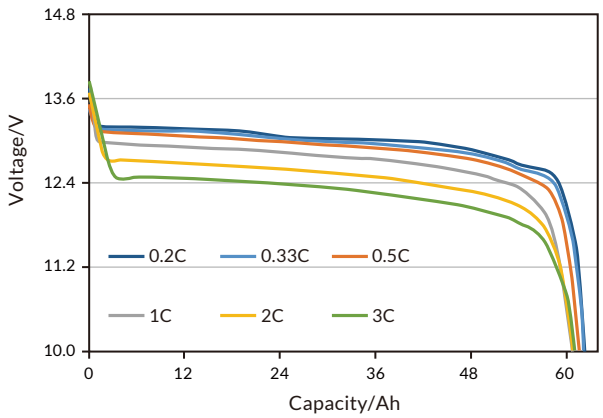
Nominal Voltage	12.8 V
Energy Scalability	Up to 7.68 kWh
Safety Function	Over/Under Voltage Over/Under Temperature Over Current Short Circuit

Operational Specifications

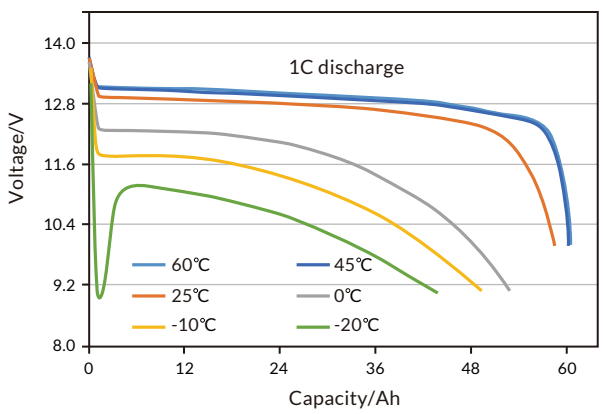
Charge Temperature	0℃ to 55℃
Discharge Temperature	-20℃ to 60℃
Storage Temperature	≤ 3 months, 0℃ to 45℃ > 3 months, 0℃ to 25℃
Storage Humidity	≤ 80% RH

Discharge Performance

Rate discharge capacity & voltage curve



High/low temperature discharge curve



info@tws.com www.tws.com