

# TWS OmniV-P4815 Battery PACK

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-P4815 51.2V 15Ah 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



AGV/AMR



Material handling



Robotics



Professional cleaning

### Electrical Specifications

Nominal Voltage	51.2 V
Nominal Capacity	15 Ah/768 Wh
Charging Method	CC / CV
Max. Charge Voltage	58.4 V
Max. Cont. Charge Current	15 A
Max. Cont. Discharge Current	25 A
Cycle Life	Up to 4000 cycles
Scalability	Up to 10 packs in parallel



eMobility



Urban vehicle



Electric boat



Residential energy storage

### Certifications



UN38.3

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### 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	51.2 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°C to 55°C
Discharge Temperature	-20°C to 60°C
Storage Temperature	≤ 3 months, 0°C to 45°C > 3 months, 0°C to 25°C
Storage Humidity	≤ 80% RH

#### Discharge Performance

