



### AXT

By integrating OBC and DC/DC, AXT achieves full bidirectional charging and power management simultaneously or separately.

#### AC Port

Voltage

1-ph and 3-ph

Input

> 0.99 PF

45 - 65 Hz

Power

Pending SAE J3072 V2G

Four-Quadrant Bidirectional

#### High Voltage Battery Terminal

Voltage

400 / 800V architecture

Efficiency

> 95% (96.8% peak)

Power

6.6 / 11 / 22 kW

#### Low Voltage Battery Terminal

Voltage

12 / 48 VDC

Features

Supports Li-ion

Power

2 / 2.5 / 4 kW

#### Mechanical\*

Volume\*\*

6 L

Weight\*\*

6.5 kg

Power Density\*\*\*

1.6 kW / L

40% smaller

40% lighter

20% cost savings

#### General Data

Communications

CAN2.0B, SAE J1772, PLC

Controls

CC / CP / CV

Thermal

Full power up to 65°C coolant

\*For 6.6 kW AXT800

\*\*Compared to competing OBC and DC/DC

\*\*\*Accounting for total power 6.6 + 2.5 kW

The AXT is the only *electrically integrated* On-Board Charger and DC/DC converter. Utilizing AmpX's patented controls, topology, and components, integration eliminates an entire converter, including bulky filters and magnetics, and expensive electronics devices. Controls are straightforward, and operation is simple, fast, efficient, and reliable.

For more information, including pricing, timing, and custom configurations, visit [www.ampxtech.com/contact](http://www.ampxtech.com/contact)