

DC/DC Converter

The DC/DC converter transforms high-voltage direct current into the low-voltage direct current, supplying power to the vehicle's low-voltage systems and charging the auxiliary battery.

- Up to 7.5 kW
- For both PHEV and BEV
- Possible combination DC/DC + OBC
- 400 V and 800 V versions for different input voltage ranges
- Platforming solution (from low to high power)
- Efficiency up to 95%
- CAN interface



• Exceptional Performance

Maintains voltage regulation accuracy of less than 1%.

• Flexible Configuration

Customizable to meet specific vehicle requirements, with support for online software upgrades.

• High Power Density

Employs advanced high-frequency digital control technology, achieving high power density and facilitating seamless integration into the vehicle's overall system.

Our offerings

Power	Input voltage range	Output voltage range	Cooling method
0.6 kW - voltage reduction	40 - 200 VDC	0 - 16 VDC	Natural cooling
1.0 kW - voltage reduction	44 - 454 VDC	0 - 16 VDC	Air cooling
1.2 kW - voltage reduction	40 - 700 VDC	0 - 32 VDC	Natural cooling
1.5 kW - voltage reduction	80 - 700 VDC	0 - 16 VDC	Air cooling
2.0 kW - voltage reduction	300 - 750 VDC	0 - 450 VDC	Air cooling
2.0 kW - voltage reduction	240 - 420 VDC	0 - 16 VDC	Liquid cooling
2.4 kW - voltage reduction	40 - 700 VDC	0 - 32 VDC	Air cooling
3.0 kW - voltage reduction	200 - 900 VDC	0 - 32 VDC	Air cooling
3.6 kW - voltage reduction	40 - 700 VDC	0 - 32 VDC	Air cooling
4.0 kW - voltage reduction	300 - 750 VDC	0 - 450 VDC	Air cooling
6.0 kW - voltage reduction	200 - 900 VDC	0 - 32 VDC	Air cooling
6.0 kW - voltage reduction	300 - 750 VDC	0 - 450 VDC	Air cooling
2.5 kW - voltage increase	40 - 68 VDC	35 - 400 VDC	Air cooling
5.0 kW - voltage increase	40 - 68 VDC	35 - 400 VDC	Air cooling
7.5 kW - voltage increase	40 - 68 VDC	35 - 400 VDC	Air cooling

Please be aware that the input and output voltage ranges provided below represent the general range for this power category. For specific product details, kindly reach out to us.