OBC11kW500V

The 11kW OBC is a high power, bi-directional AC-DC/DC-AC conversion module specifically designed to meet the application of transmitting power from power grid to the vehicle battery and from battery to power grid (V2G).

High efficiency

22kW DC power with 96.8% peak efficiency

Wide range

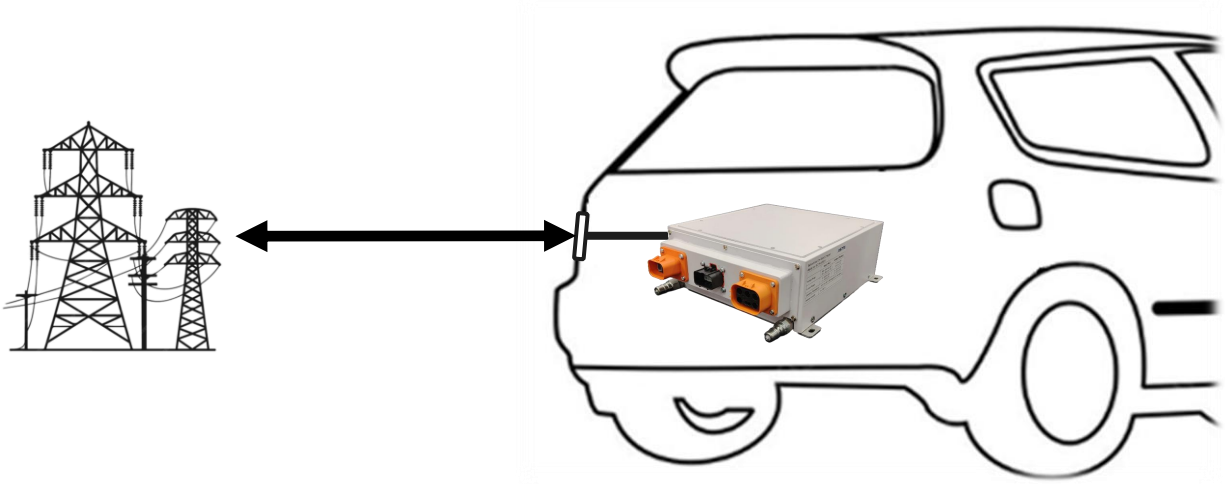
240 – 500V battery voltage range

Dual AC input

1P 220Vac and 3P 380Vac in one unit

Simple control

Remote & local monitoring & control



Product Specification	
	OBC11kW500V
Input (AC)	
Nominal Voltage	220V AC (1-phase), 380V AC (3-phase)
Input Voltage Range	190 – 240V AC (1-phase), 360 – 400V AC (3-phase)
Input Current Range	0 – 33A (1-phase), 0 – 18A / phase (3-phase)
Nominal Output Grid Frequency	50 / 60Hz
Input Voltage Accuracy	< ±0.5%
Input Current Accuracy	< 3% @20 – 100% load
Output (DC Battery)	
Nominal Power	6.6kW (1-phase),11kW (3-phase)
Output Voltage Range	240 – 500V DC
Output Current Range	0 – 17A (1-phase), 0 – 33A / phase (3-phase)
Output Voltage Accuracy	< ±5V
Output Current Accuracy	< ±1% @20 – 100% load
Efficiency	96.8 % (peak)
Protection	Input: OCP, OVP, UVP; Output: OCP, OVP, UVP, OPP
General Data	
Operating Temperature Range	-40 to +55°C, Derating at 45°C and above
Permissible Ambient Humidity	0 – 100%
Permissible Altitude	2000 m
Noise	≤ 25dB
Topology	Isolated DAB
Communication	CAN
Cabinet Size (mm)	254 (W) x 262 (H) x 101 (I) (Excluding Connectors and Brackets)
Weight	11kg
Type of Cooling	Liquid cooling
Power Density	1.6kW/L