

ON-BOARD CHARGER

for electric vehicles



E-Mobility



Drive
System



Energy Storage
Systems



Power- &
Garden Tools



Industrial



Medical

TECHNICAL DETAILS

On-Board Chargers (OBCs) are elementary vehicle components for the charging process of the vehicle battery in electric passenger and industrial vehicles. They convert the alternating current from the charging station into direct current and ensure

communication between the vehicle, battery management system and the charging station. As a system supplier to the electromobility industry, the BMZ Group not only develops batteries individually designed, but also the perfect OBC solution for your vehicle.

Technical Properties	On-Board Charger			
	3.0 kW	6.6 kW	11.0 kW	22.0 kW
Input voltage	150 - 264 Vac	85 - 265 Vac	304 - 456 Vac	304 - 456 Vac
Nominal output voltage	54.6 V		200 - 450 V	
Output current	50 A	20 A	32 A	64 A
Efficiency	≥ 92,5 %		94 %	
Dimensions in mm [L x W x H]	315 x 198 x 114	364 x 224 x 100	369 x 238 x 100	370 x 252 x 158
Working temperature	0 °C to 65 °C	-40 °C to 85 °C	-40 °C to 85 °C	-40 °C to 85 °C
Weight	< 7 kg	< 8.5 kg	< 15.5 kg	< 25 kg
Protection level			IP67	
Communication protocol			CAN	

Any questions?

Contact us, we will be pleased to advise you.

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