

3.3 KW Sealed EV Battery Charger

ONB 300 Series



Rated Output Voltage	Max Output Voltage	Max Output Current
48V	60V	40A
60V	82.5V	40A
72V	99V	40A
80V	110V	40A

Product Features



Wide input operating range (150VAC - 270VAC)



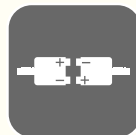
Water proof charger IP67 design



LLC design with PFC & CAN Communication



Protected from overload, Over temperature shutdown with auto recovery, battery reverse polarity.



Battery Reverse Polarity - automatic battery disconnect in case of battery reverse polarity connection



IATF 16949 certified organisation pioneering EV charging solutions for over 15 years.

Product Specifications

DC Output	
Output Voltage Max	60 VDC
Output Current Max	50 A
Efficiency	≥ 93%
CAN Communication	Available
LED Indications	Available

Protections	
Output Over Voltage Protection	Available
Output Over Current Protection	
Output Short Circuit Protection	
Output Reverse Protection	
Over Temperature Protection of Charger	

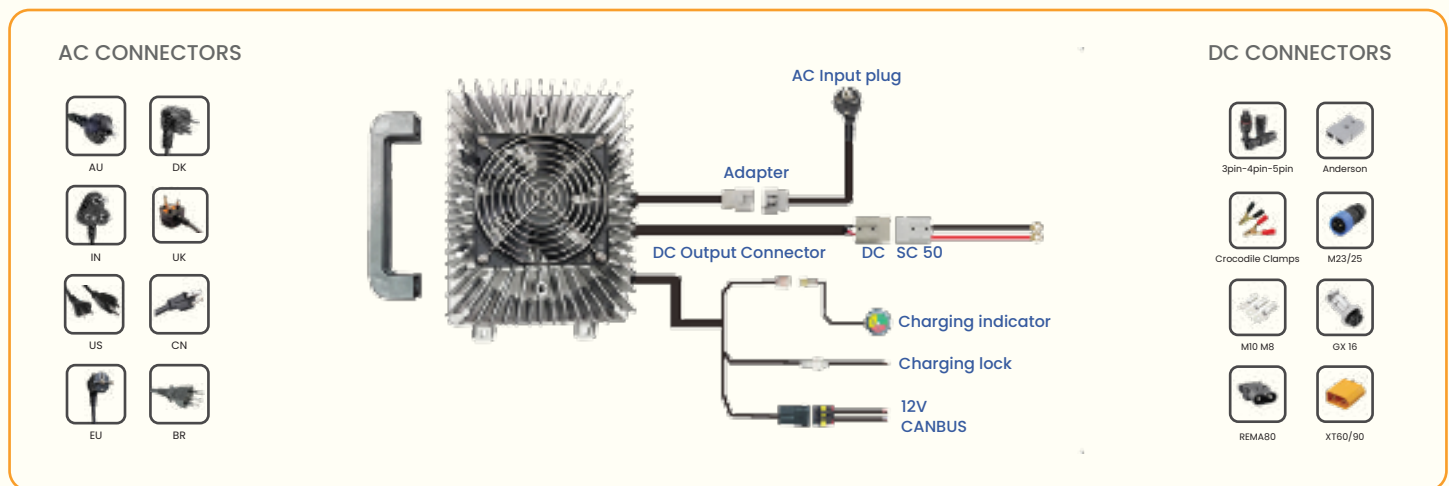
Safety Requirements	
Hi-Pot	ISO 16750-2
Insulation Resistance	ISO 16750-2
EMI/EMC Compliance	AIS 138 Part-2
Vibration Test	ISO 16750-3
Bump Test	IEC 60068-2-29

AC Input	
AC Input Voltage Range	150 vac - 270 VAC
AC Input Current	≤ 16 A
Frequency	50/60 Hz
Power Factor	≥ 0.98

Mechanical Dimension	
Overall Size	294 x 210 x 111 (mm)
Net Weight	6.52 Kg
Carton Size	400 x 390 x 280 (mm)
Gross Weight	~ 7.15 Kg

Environmental	
Ingress Protection	IP67
Working Temperature	- 40°C ~ +60°C
Storage	- 55°C ~ +100°C
Cooling Method	Forced Air Cooling

Power Interface



Mechanical Design

