

ENI-LZ400/1x80 ENI-LZ400/1x120 ENI-LZ400/1x90 ENI-LZ400/1x150 Charger

APPLICATION



The ENI-LZ400/ 1x80/1x90/1x120/1x150 mobile charger is intended for charging electric bus batteries.

The charger transforms 3-phase 400 V_{AC} voltage into adjustable output voltage in the range 400 V ÷ 1000 V. The charger starts operation automatically after connecting the CCS2 plug to the bus. LED diodes indicate the current state of the device - readiness, operation, failure. The length of the 3 x 400 V power cords and the CCS2 charging cable can be configured by the customer. It is also possible to configure the charger with additional equipment, i.e. energy meter, RFID reader, 2.4" display'.



SPECIFICATION

TYPE	ENI-LZ400/1x80	ENI-LZ400/1x90	ENI-LZ400/1x120	ENI-LZ400/1x150
Rated input voltage	3 x 400 V _{AC} 50 Hz	3 x 400 V _{AC} 50 Hz	3 x 400 V _{AC} 50 Hz	3 x 400 V _{AC} 50 Hz
Connected power [kVA]	86	97	129	161
Power factor	>0,98	>0,98	>0,98	>0,98
Charging connection plug	CCS Typ 2, IEC 62196-3 Combined Charging System	CCS Typ 2, IEC 62196-3 Combined Charging System	CCS Typ 2, IEC 62196-3 Combined Charging System	CCS Typ 2, IEC 62196-3 Combined Charging System
Charging voltage range	400 V _{DC} ÷ 1000 V _{DC}	400 V _{DC} ÷ 1000 V _{DC}	400 V _{DC} ÷ 1000 V _{DC}	400 V _{DC} ÷ 1000 V _{DC}
Number of charging connections	1	1	1	1
Rated charging power	1 x 80 kW	1 x 90 kW	1 x 120 kW	1 x 150 kW
Maximum charging current	133 A _{DC}	150 A _{DC}	200 A _{DC}	250 A _{DC}
Variation of the maximum charging current	Figure Current characteristics of the charger	Figure Current characteristics of the charger	Figure Current characteristics of the charger	Figure Current characteristics of the charger
Efficiency	>95%	>95%	>95%	>95%
Communication with the vehicle	IEC 61851-1, IEC 61851-23 IEC 61851-24, ISO 15118, DIN 70121	IEC 61851-1, IEC 61851-23 IEC 61851-24, ISO 15118, DIN 70121	IEC 61851-1, IEC 61851-23 IEC 61851-24, ISO 15118, DIN 70121	IEC 61851-1, IEC 61851-23 IEC 61851-24, ISO 15118, DIN 70121
Communication protocol	OCCP1.6J	OCCP1.6J	OCCP1.6J	OCCP1.6J
Cooling	Air forced	Air forced	Air forced	Air forced
Enclosure protection rating	IP54 (powerelectronics part) IP21 (ventilation part), IK10	IP54 (powerelectronics part) IP21 (ventilation part), IK10	IP54 (powerelectronics part) IP21 (ventilation part), IK10	IP54 (powerelectronics part) IP21 (ventilation part), IK10
Size (L x W x H)	800 x 800 x 1934 mm	800 x 800 x 1934 mm	800 x 800 x 1934 mm	800 x 800 x 1934 mm
Weight	450 kg	450 kg	500 kg	550 kg

CURRENT CHARACTERISTICS OF THE CHARGER

