

APPLICATION



The ENI-LZ400/ 2X60/2X75 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 operation of the device allows charging two vehicles simultaneously (maximum battery charging power of each from vehicles is limited to 30 and 75 kW, respectively). In the second mode, it is possible to charge one vehicle with a power of up to 120 and 150 kW, respectively. The selection of the z operating mode is automatic and depends on the use of the CCS2 connectors at the moment. The charger starts working automatically after connecting the CCS2 plug to the bus. It is possible to configure the charger with additional equipment, i.e. energy meter, RFID reader, 2.4" display.

ENI-LZ400/2x60 ENI-LZ400/2x75 Charger



SPECIFICATION

TYPE	ENI-LZ400/2x60	ENI-LZ400/2x75
Rated input voltage	3 x 400 V _{AC} 50 Hz	3 x 400 V _{AC} 50 Hz
Connected power [kVA]	129	161
Power factor	>0,98	>0,98
Charging connection plug	CCS Typ 2, Combined Charging System, IEC 62196-3	CCS Typ 2, Combined Charging System, IEC 62196-3
Charging voltage range	400 V _{DC} ÷ 1000 V _{DC}	400 V _{DC} ÷ 1000 V _{DC}
Number of charging connections	2	2
Rated charging power	2 x 60 kW / 1 x 120 kW	2 x 75 kW / 1 x 150 kW
Maximum charging current	2 x 128 A _{DC} / 1 x 200 A _{DC}	2 x 160 A _{DC} / 1 x 250 A _{DC}
Variation of the maximum charging current	Figure Current characteristics of the charger	Figure Current characteristics of the charger
Efficiency	>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
Communication protocol	OCPP1.6J	OCPP1.6J
Cooling	Air forced	Air forced
Enclosure protection rating	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
Weight	550 kg	580 kg

CURRENT CHARACTERISTICS OF THE CHARGER

