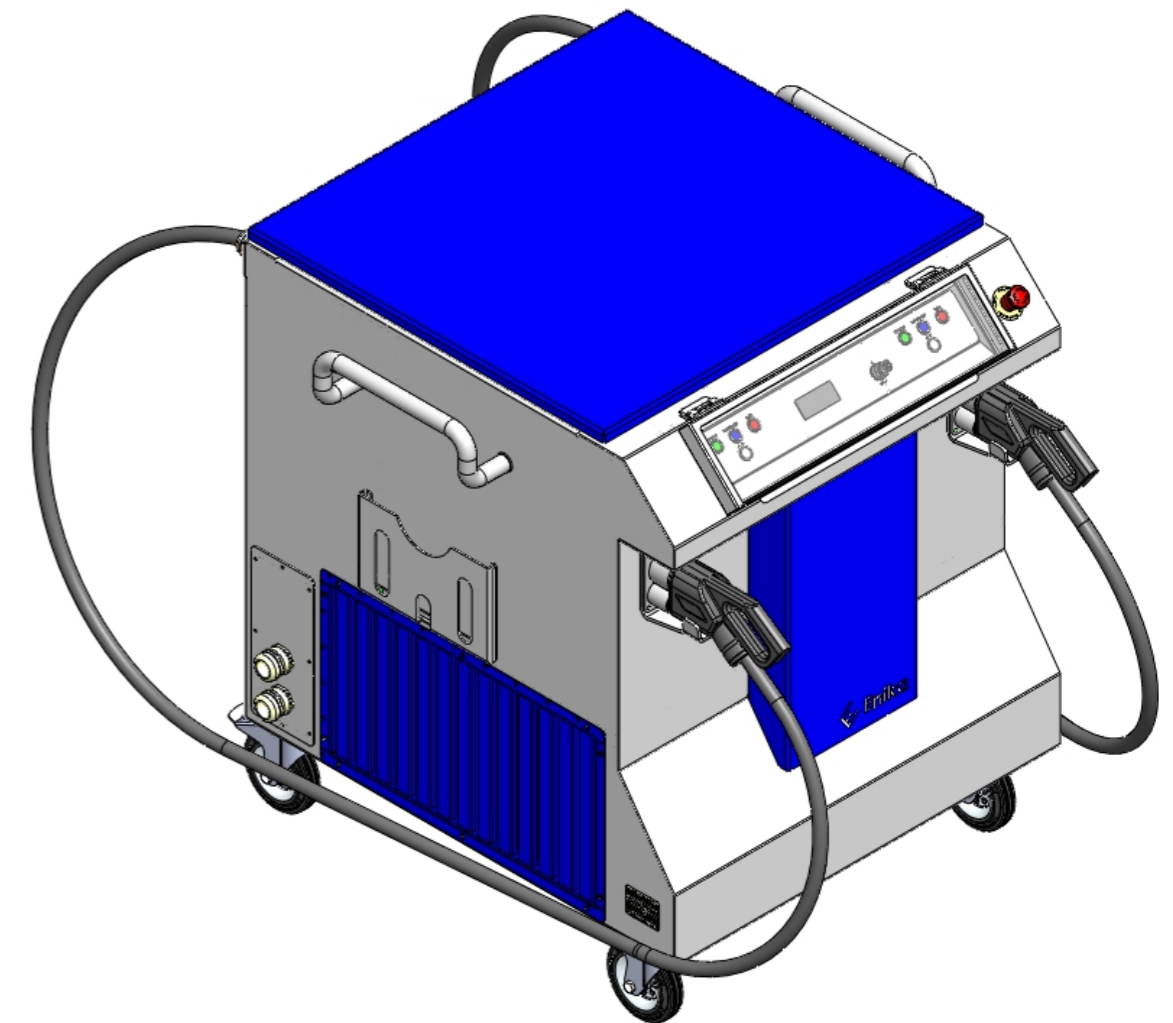


ENI-LW400/2x30 ENI-LW400/2x40 ENI-LW400/2x60 Charger

APPLICATION



The ENI-LW400/2x30/2x40/2x60 mobile or stationary charger is intended for charging electric bus batteries. The charger is available in a mobile and stationary version. The stationary version is equipped with a plinth made of stainless steel. The charger transforms 3-phase 400 V_{AC} voltage into adjustable output voltage in the range 400 V ÷ 1000 V. Getting started charger operation is automatic when connected to the bus. LED diodes indicate the current state of the device - readiness, operation, failure. The operation of the device allows charging two vehicles simultaneously (maximum battery charging power of each from vehicles is limited to 30, 40 and 60 kW, respectively). In the second mode, it is possible to charge one vehicle with a power of up to 60, 80, 120 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. The length of the 3 x 400 V power cords and the CCS2 charging cable can be configured by the customer. It is possible to configure the charger with additional equipment, i.e. energy meter, RFID reader, 2.4" display.



SPECIFICATION

TYPE	ENI-LW400/2x30	ENI-LW400/2x40	ENI-LW400/2x60
Rated input voltage	3 x 400 V _{AC} 50 Hz	3 x 400 V _{AC} 50 Hz	3 x 400 V _{AC} 50 Hz
Connected power [kVA]	64	86	129
Power factor	>0,98	>0,98	>0,98
Charging connection plug	Przyłącze kablowe TNS	Przyłącze kablowe TNS	Przyłącze kablowe TNS
Charging voltage range	400 V _{DC} ÷ 1000 V _{DC}	400 V _{DC} ÷ 1000 V _{DC}	400 V _{DC} ÷ 1000 V _{DC}
Number of charging connections	2	2	2
Rated charging power	2 x 30 kW/ 1 x 60 kW	2 x 40 kW/ 1 x 80 kW	2 x 60 kW/ 1 x 120 kW
Maximum charging current	2 x 64 A _{DC} / 1 x 100 A _{DC}	2 x 85 A _{DC} / 1 x 133 A _{DC}	2 x 128 A _{DC} / 1 x 200 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
Efficiency	>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
CoolingCommunication protocol	OCCP1.6J	OCCP1.6J	OCCP1.6J
Cooling	Air forced	Air forced	Air forced
Enclosure protection rating	IP 54 (powerelectronics part) IP21 (ventilation part), IK10	IP 54 (powerelectronics part) IP21 (ventilation part), IK10	IP 54 (powerelectronics part) IP21 (ventilation part), IK10
Size (L x W x H)	930 x 1041,5 x 1028 mm	930 x 1041,5 x 1028 mm	930 x 1041,5 x 1028 mm
Weight	200 kg	250 kg	300 kg

CURRENT CHARACTERISTICS OF THE CHARGER

