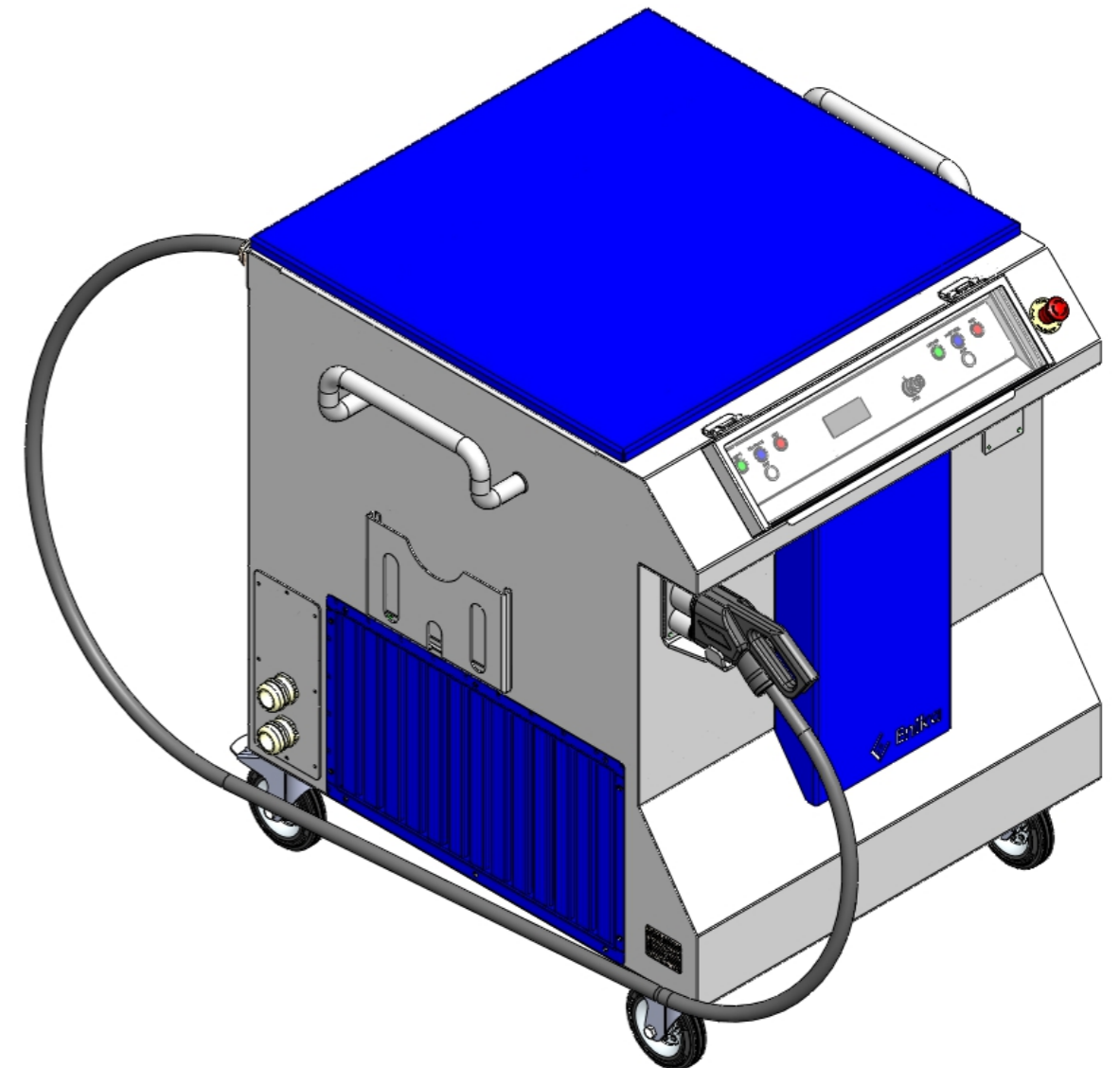


# ENI-LW400/1x60 ENI-LW400/1x80 ENI-LW400/1x120 Charger

## APPLICATION



The ENI-LW400/1x60/1x80/1x120 charger is designed 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<sub>AC</sub> voltage into adjustable output voltage in the range 400 V<sub>DC</sub> ÷ 1000 V<sub>DC</sub>. 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-LW400/1x60	ENI-LW400/1x80	ENI-LW400/1x120
Rated input voltage	3 x 400 V <sub>AC</sub> 50 Hz	3 x 400 V <sub>AC</sub> 50 Hz	3 x 400 V <sub>AC</sub> 50 Hz
Connected power [kVA]	64	86	129
Power factor	>0,98	>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	CCS Typ 2, Combined Charging System, IEC 62196-3
Charging voltage range	400 V <sub>DC</sub> ÷ 1000 V <sub>DC</sub>	400 V <sub>DC</sub> ÷ 1000 V <sub>DC</sub>	400 V <sub>DC</sub> ÷ 1000 V <sub>DC</sub>
Number of charging connections	1	1	1
Rated charging power	1 x 60 kW	1 x 80 kW	1 x 120 kW
Maximum charging current	100 A <sub>DC</sub>	133 A <sub>DC</sub>	200 A <sub>DC</sub>
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
Communication protocol	OCCP1.6J	OCCP1.6J	OCCP1.6J
Cooling	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
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	180 kg	230 kg	280 kg

## CURRENT CHARACTERISTICS OF THE CHARGER

