



New
Energy
Systems

Custom Energy Storage Systems



NES-I LC 100/200 Charge Converter

Intelligent DC charge controller for large energy storage systems

The DC-coupled NES-I LC 100/200 charge converter is at the heart of our NES-I system.
It impresses with huge charging and discharging capacities of up to 100/200 kW.

For high capacities, up to four NES-I LC 100/200 charge converters can be switched in parallel.

Key Features

- ✓ Increased power consumption share and self-sufficiency rate
- ✓ Input may be switched to constant voltage or custom characteristic curves
- ✓ Complies with all the required standards and holds necessary certifications
- ✓ Worldwide system surveillance and monitoring via the NES-I Portal
- ✓ 5-year product guarantee, with maintenance agreements extendible to 20 years



www.newenergy-systems.com



Technical Data

NES-I LC 100/200 charge converter*

System capacity/ features

DC inputs	1
Min./ Max. input voltage	580 V - 950 V
Max. charge/discharge current	160 A / 320 A
Max. power	100 kW / 200 kW
DC input / output for battery	1
Battery voltage	450 V - 650 V
Max. charge/ discharge current	160 A / 320 A
Max. charge/ discharge power (depending on battery voltage)	100 kW / 200kW
Programming of charge curves	optional
DC output inverter	1
Output voltage range	720 V - 780 V
Max. output power	100 kW / 200kW
Thermal dimensions	
Type of cooling	Forced ventilation/ alt. liquid cooling
Environmental conditions	
Storage temperature (non-condensing)	10 °C - 40 °C
Ambient temperature	5 °C - 40 °C
Interfaces/ communication	
Communication with storage systems	CAN-Bus
Communication with electricity meter	Mod-Bus
Internet connection	Ethernet RJ45
Master/ slave connection	2 x RJ45
Appliance size/ weight	
Dimensions (height x width x depth)	225 x 90 x 90 cm
Weight	600 / 1000 kg

* Products and services as well as technical data are subject to change, this includes any change as a result of country-specific legislation. NES-GmbH is not liable for any mistakes or printing errors.

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