



New
Energy
Systems

Custom Energy Storage Systems



NES-I LC 10 Charge Converter

Intelligent DC charge controller for electricity storage systems

The DC-coupled NES-I LC 10 charge converter is at the heart of our NES-I system. It impresses with huge charging and discharging capacities of up to 10 kW. Up to six NES-I Storage M units can be connected to an NES-I LC 10 charge converter. Thanks to its two independent MPP inputs, both of which can be loaded at 100% of the rated power, you can set up a simple system design with which most inverter manufacturers will be familiar.

Combine the NES-I LC 10 charge converter with any inverter from the SMA Tripower and Fronius Symo Series and, of course, our NES-I system inverters for off-grid systems or combined off-grid/grid supply plants.

For high capacities, up to four NES-I LC 10 charge converters can be switched in parallel.

Key Features

- ✓ Increased power consumption share and self-sufficiency rate
- ✓ Two independent MPP inputs of 200 - 950 V
- ✓ High charging and discharging capacity for high-power appliances of up to 10 kW
- ✓ Inputs 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
- ✓ Easy wall installation



www.newenergy-systems.com



Technical Data

NES-I LC 10 charge converter*

System capacity/ features

DC inputs	2
Min./ Max. input voltage	200 V / 950 V
Max. current	20 A
Max. power per MPP input	10 kW
DC input / output for battery	1
Battery voltage	115 V - 360 V
Max. charge/ discharge current	30 A
Max. charge/ discharge power (depending on battery voltage)	10 kW
Programming of charge curves	optional
DC output inverter	1
Output voltage range	580 V - 760 V
Max. output power	10 kW
Thermal dimensions	
Type of cooling	Forced ventilation
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
Unit size/ weight	
Dimensions (height x width x depth)	64,5 x 55 x 15 cm
Weight	27 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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