



New
Energy
Systems

Custom Energy Storage Systems



NES-I Storage M

DC lithium battery in modular combination units

The NES-I Storage M storage unit combines the latest cell technology with optimized efficiency. The modular units can be flexibly combined. It can be used across all fields of application in business, industry and substitute power supply systems. The ultimate safety, durability and flexibility come together in the NES-I Storage M.

Key Features

- ✓ **Plug & play technology:** for quick assembly
- ✓ **Flexible:** modular system design for new and existing facilities
- ✓ **Cells:** LifePo4 for optimum safety and service life
- ✓ **Quality:** Made in Germany
- ✓ **High voltage technology:** for low cost and optimum efficiency
- ✓ **Government funding:** kFW 275
- ✓ **Maintenance contract:** guarantee of up to 20 years possible
- ✓ **Monitoring of individual cells:** for optimum service life





Technical Data



NES-I Storage M*

Usable energy	4 kWh
Max. charging/ discharging current	30 A
Rated voltage	153,6 V
Max. overall efficiency	92 %
Number of full cycles	5000
Service life (for 250 cycles/year)	Up to 20 years
System coupling	DC-coupled
Cell technology	Lithium iron phosphate
Battery management system	Individual cell monitoring
Ambient temperature	5°C – 30°C
Protection class	IP 41
Fuse	DC isolation (mechanical, electronic)
Data communication	CAN-interface
Tests / directives	CE, UN 38.3 test, VDE Low Voltage Directive
Dimensions Height x width x depth (mm)	389x422x357
Weight	39 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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