

neoRack

THE MODULAR LITHIUM-ION ENERGY STORAGE UNITS FOR PLANT OPERATORS.



MADE IN GERMANY
10-YEARS GUARANTEE*

<p>COMPATIBLE WITH SMA AND NEDAP INVERTERS</p>	

- Ideal for private homes & small plants
- Plug & Play installation
- 10 years guarantee*
- Life expectancy 20 years
- High cycle life
- Extremely compact design
- Scalable system
- Award winning technology

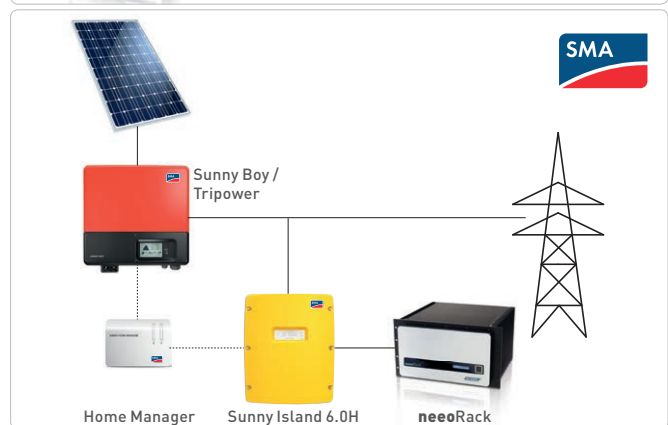
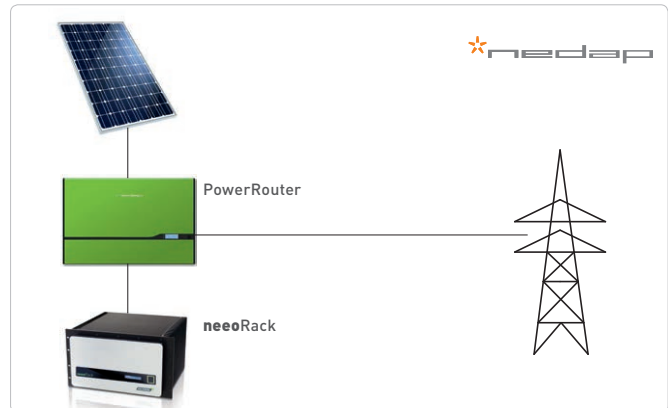
Hessian State Award for Intelligent Energy 2012
Category Energy Storage



neoRack

OPTIMALLY EQUIPPED FOR FUTURE MARKET DEVELOPMENTS AND ENERGY LAWS.

- Environmentally friendly lithium-ion battery technology
- Service life up to 20 years
- High cycle life at high currents
- Unrestricted partial cycling – no memory effect
- Fast charging: fully charged in 1 hour
- Technology tested by automotive safety standards
- Efficient and silent operation due to fanless cooling
- Ventilation, winter mode or service charging not required
- Integrated protection fuses
- Integrated battery management
 - Deep discharge protection
 - Voltage- and temperature monitoring
 - Charge balance between the cells
 - Determination of the charging and ageing status (SOC and SOH)
- Developed according to German industry standards (DIN)
- To be used stand alone or with **neoSystem**
- Scalable system design with **neoSystem**



* According to our terms of guarantee, ** @ 80 % DoD and 1C

AKASOL

HIGH PERFORMANCE BATTERY SYSTEMS.
MADE IN GERMANY WITH OVER 20 YEARS EXPERIENCE.

The German company AKASOL is one of the world's leading developers and producers of mobile and stationary high-performance battery systems. Fields of application of the award-winning storage solutions are the commercial vehicle

TECHNICAL DATA

Voltage	48 V
Capacity	106 Ah
Energy	5,5 kWh
Cycles**	5000
Power nom.	5 kW
Power max. (10 s)	15kW
Protection class	IP 50
Possible operation range	0° to +40 °C
Max. humidity	85% non condensing
Power connection	2 screw terminals 35 mm ²
Efficiency battery up to	98%
Voltage range @ 48 V _{nom}	37,8 V to 58,8 V
Dimensions (W D H)	48,2 cm x 48,7 cm x 26,6 cm
Weight	58 kg

and automotive industries as well as the shipbuilding and wind energy, hydro-power and solar sectors.

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