

neoSystem

FLEXIBLE LITHIUM-ION ENERGY STORAGE
FOR LARGER PLANTS & BUILDINGS.



MADE IN GERMANY
10-YEARS GUARANTEE*
★ ★ ★

 	 
COMPATIBLE WITH SMA AND NEDAP INVERTERS	

- 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

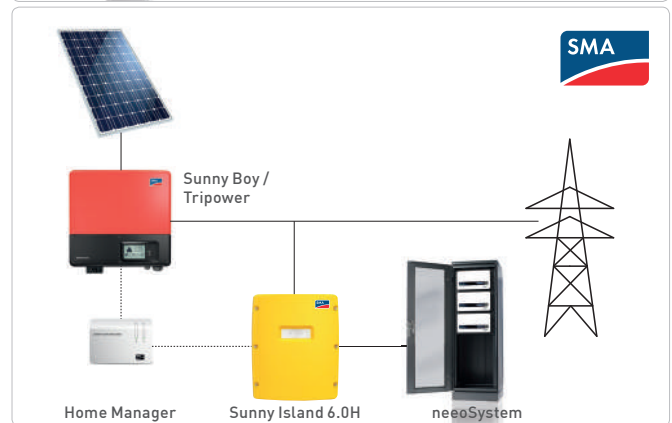
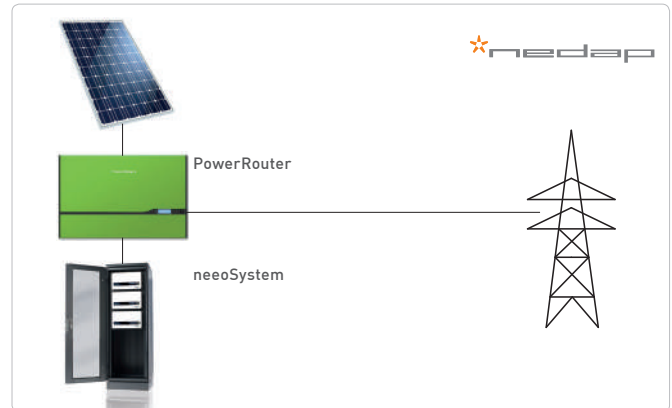
Hessian State Award
for Intelligent Energy 2012
Category Energy Storage



neoSystem

SCALEABLE SYSTEM DESIGN. LONG-TERM INVESTMENT SECURITY.

- Environmentally friendly lithium-ion battery technology
- Designed to use up to 6 neoRacks
- Up to 20 years service life
- Stand-alone capacity (no central unit required)
- Intrinsically safe (two-pole switch-off in case of fault)
- Integrated fanless cooling (passive)
- Integrated battery management
 - Voltage- and temperature monitoring
 - Charge balance between the cells
 - State of charge determination
 - Determination of the ageing status
 - CAN communication with the charger
 - Rack Manager to bundle power and information flow
 - No memory effect = unrestricted partial cycling
- Developed according to DIN EN 50272, DIN EN 62620, DIN EN 61427, DIN EN 61508, IEC 62620
- Tested according to UN 38.3
- Compatible with inverters of various manufacturers, e.g. SMA and Nedap



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

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

TECHNICAL DATA	
Voltage	48 V - 576 V
Capacity	636 Ah - 53 Ah
Energy	5,5 kWh up to 33 kWh
Cycles**	5000
Performance nom.	5 kW up to 30 kW
Performance max. (10 s)	15 kW up to 90 kW
Protection class	IP 50 (extendable to IP 63)
Possible operation range	-10° to +50 °C
Max. humidity	85% non condensing
Power connection	2 screw terminals 35mm ²
Data connection	RJ45 or D-Sub
Efficiency battery up to	98%
Efficiency system up to	Nedap 92% / SMA 90%
Dimensions (W D H)	600 x 600 x 2100 mm (42 HE)
Weight	365 kg (incl. switch cabinet)
Operation mode	1- or 3-phase operation

vehicle and automobile industry; the wind energy, hydropower and solar industries; and the shipbuilding industry.

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