

neoSystem

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

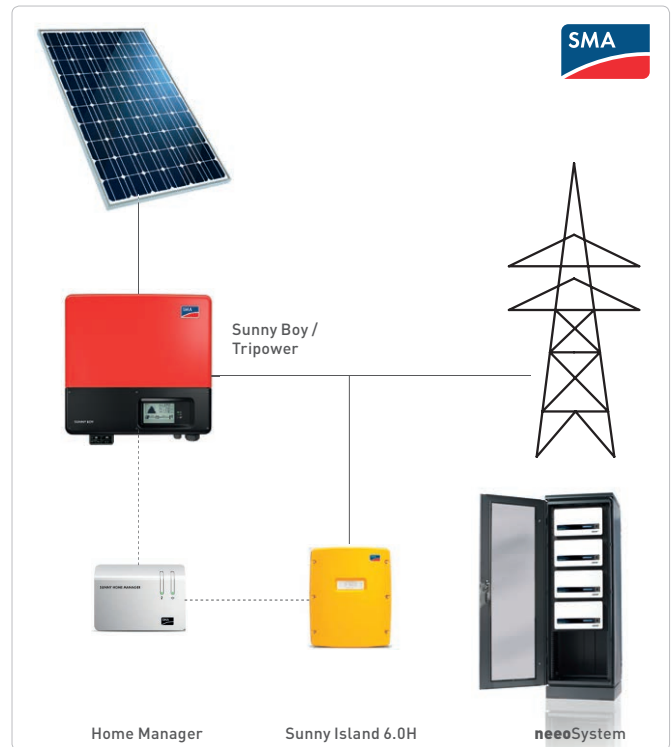


- Ideal for private homes & small plants
- Plug & Play installation
- 10 years guarantee*
- Life expectancy 20 years
- High cycle life
- Extremely compact design
- Scalable system
- Award winning technology

neoSystem

SCALEABLE SYSTEM DESIGN. LONG-TERM INVESTMENT SECURITY.

- 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)
- Scaleable system design with up to 5 **neoRacks**



GENERAL TECHNICAL DATA			
Voltage	48 V	Possible operation range	0° to +40 °C
Cycles**	5000	Max. humidity	85% non condensing
Protection class	IP 50	Efficiency battery up to	98%
Power connection	2 screw terminals 70 to 95 mm ²	Operation mode	1- or 3-phase operation



TECHNICAL DATA					
Name	neoSystem Type 1	neoSystem Type 2	neoSystem Type 3	neoSystem Type 4	neoSystem Type 5
Capacity	106 Ah	212 Ah	318 Ah	424 Ah	530 Ah
Energy	5,5 kWh	11 kWh	16,5 kWh	22 kWh	27,5 kWh
Power nom.	5 kW	10 kW	13 kW	13 kW	13 kW
Power max. (10s)	12 kW	16,4 kW	16,4 kW	16,4 kW	16,4 kW
Dimensions (W D H)	630 x 630 x 1300 mm	630 x 630 x 1300 mm	630 x 630 x 1300 mm	630 x 630 x 1900 mm	630 x 630 x 1900 mm
Weight	145 kg	200 kg	255 kg	340 kg	395 kg
Extendable up to	3 neoRacks	3 neoRacks	–	5 neoRacks	–

* 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

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

AKASOL GmbH
Landwehrstraße 55, 64293 Darmstadt / Germany
Phone +49 6151 800500, info@akasol.com, www.akasol.com