

## neeoQube

THE SMART LITHIUM-ION ENERGY STORAGE UNIT  
FOR PRIVATE HOMES & SMALL PLANTS.



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

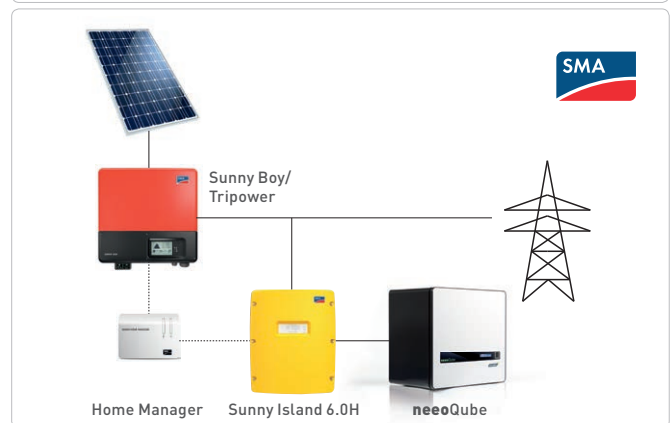
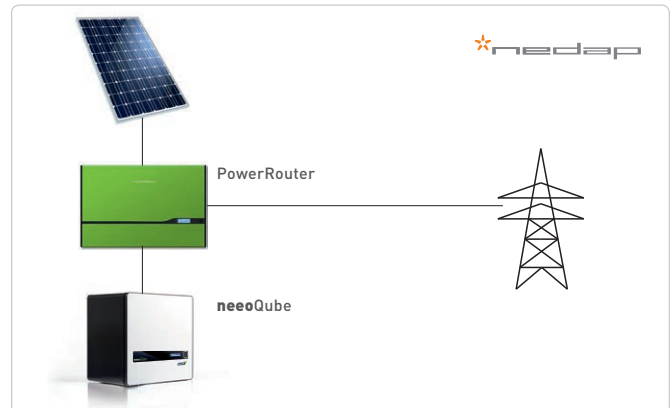
Hessian State Award  
for Intelligent Energy 2012  
Category Energy Storage



## neoQube

### THE HIGH-EFFICIENCY STORAGE UNIT FOR RENEWABLE ENERGIES.

- 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)



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

#### TECHNICAL DATA

Voltage	48 V
Capacity	106 Ah
Energy	5,5 kWh
Cycles**	5000
Power nom.	5 kW
Power max. (10 s)	15 kW
Protection class	IP 50
Possible operation range	0° to +40 °C
Max. humidity	85% non condensing
Power connection	2 screw terminals 35 mm <sup>2</sup>
Efficiency battery up to	98%
Voltage range @ 48 V <sub>nom</sub>	37,8 V to 58,8 V
Dimensions (W D H)	45,6 cm x 28,2 cm x 45,6 cm
Weight	62 kg

#### 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