



Solar Energy Australia

exclusive distributor of



# neoSystem

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



MADE IN GERMANY  
**10-YEARS GUARANTEE\***  
★ ★ ★



COMPATIBLE WITH  
SMA 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



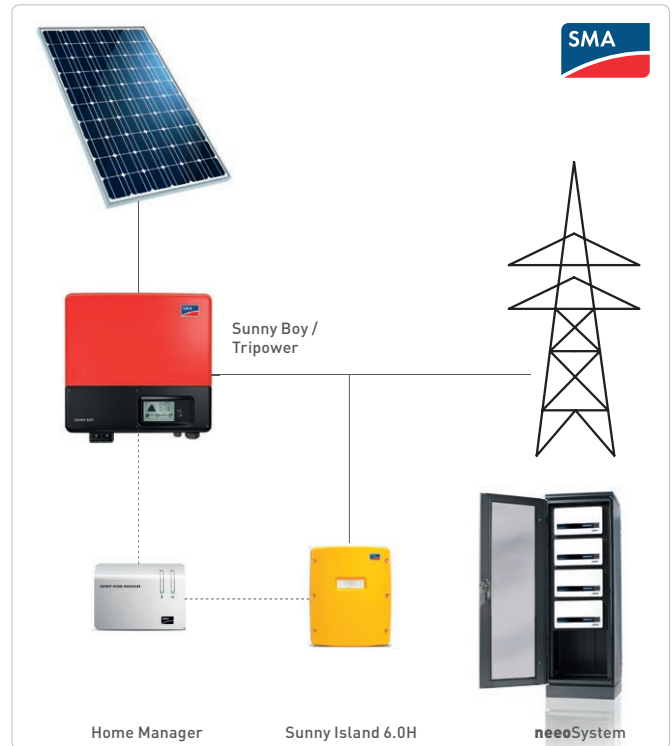
**CHARGING THE FUTURE**



## 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 <sup>2</sup> | 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.

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