

Product information

Nilar EC Cabinets

- Nilar Hydride[®] battery technology



BENEFITS IN BRIEF

- Safer than "safe"¹
- Environmentally-friendly
- Fully recyclable
- Long service life
- Wide temperature range
- Maintenance free

Ideal solution for home and commercial support

Nilar offers small to medium scale solutions that are ideal for safe energy storage in homes, office buildings, apartment blocks and housing estates. When connected to solar or wind power stations you get full advantage of the intermittent nature of sustainable energy. The combination of Nilar's smart Battery Management System (BMS) and the energy compact Nilar EC batteries delivers the ideal energy buffer to boost grid supply. For busy periods and peak hours, the Nilar EC energy storage cabinets is the ideal solution to lower tariff fees.

1) Nilar provides battery systems that are safer than many so called "safe" solutions available on the market. The Nilar battery system contains water based, non-flammable electrolyte. It does not generate short circuit failure even under low temperature charging. The electrodes cannot ignite spontaneously and will not cause heat propagation between modules. That's why we argue that we are safer than "safe".

Nilar AB
 Headquarters and Sales
 Stockholmsvägen 116 B
 SE-187 30 Täby
 Sweden
 Phone: +46 [0]8 768 00 00
 Email: sales.europe@nilar.com

Nilar AB
 R&D and Production
 Bönavägen 55, Box 8020
 SE-800 08 Gävle
 Sweden
 Phone: +46 [0]26 960 90
 Email: production@nilar.com

Nilar Inc.
 R&D and Sales
 10800 E. Bethany Drive, Suite 525
 Aurora, CO 80014
 USA
 Phone: +1 720 446 0169
 Email: sales.america@nilar.com



The Nilar energy storage system solutions can be configured according to different setups, creating flexibility and a user-friendly experience for the customers. To enable the Nilar Energy Storage System to operate according to the specifications, an inverter is required to handle charging and discharging of the energy storage and for the conversion between AC/DC. Nilar can assist you upon request to find the correct inverter to match your Energy Storage System.

An Energy Management System (EMS) is also required in order to control when and where the power should be delivered. The EMS can either communicate with the Nilar BMS or directly with the inverter to initiate charging or discharging of the battery bank.



Product range specifications

CABINET	Art. nr.	Product description	No. of battery packs	Pack voltage (V)	System voltage (V)	Rated capacity (Ah)	Energy (kWh)	Weight (kg)	Depth (mm)	Height (mm)	Width (mm)
ECH-576V-11,5kWh	20-0020	Cabinet 11,5 kWh	8	144	576	20	11,5	352	655	1033	701
ECH-576V-17,2kWh	20-0021	Cabinet 17,2 kWh	12	144	576	30	17,2	518	655	1388	701
ECH-576V-23kWh	20-0022	Cabinet 23 kWh	16	144	576	40	23	684	655	1743	701
ECH-576V-28,8kWh	20-0023	Cabinet 28,8 kWh	20	144	576	50	28,8	850	655	2098	701