

Product information

Nilar EC Cabinets

- Advanced NiMH battery technology



BENEFITS IN BRIEF

- Store solar power
- Support critical loads
- Safer than "safe"¹
- Long service life
- Maintenance free
- Environmentally friendly
- Fully recyclable

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".

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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 following 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	660	1020	690
ECH-576V-17,2kWh	20-0021	Cabinet 17,2 kWh	12	144	576	30	17,2	518	660	1380	690
ECH-576V-23kWh	20-0022	Cabinet 23 kWh	16	144	576	40	23	684	660	1740	690
ECH-576V-28kWh	20-0023	Cabinet 28,7 kWh	20	144	576	50	28,7	850	660	2100	690