

QuiPower Storage - Hydride



QuiPower Storage - Hydride is an energy storage system equipped with Swedish-developed battery technology with unique reoxygenating technology. The technology enables reconditioning of the batteries, in order to renew their function and achieve a long calendar and cycle life. The battery technology is developed by Swedish Nilar and is based on nickel-metal hydride. QuiPower Storage - Hydride is an excellent product for energy storage in buildings and offers both a safe and sustainable storage solution. The used batteries are returned and recycled, reducing the environmental footprint. The energy storage is used to optimize the property's energy usage or as backup power in case of power outages (in combination with QuiPower Off-Grid).

The energy storage is delivered with a built-in control unit (BMS) for continuous analysis and management of the energy storage's well-being, and integrated QuiPower Core software that energy optimizes based on the current property needs. QuiPower Storage - Hydride is scalable with storage capacities from 12 kWh to 60 kWh. The energy storage is part of Enequi's QuiPower platform and is sold together with QuiPower Inverter.

Order Data

Model name: QPS Hydride
Article number: 300517

Key Features

- Sustainable
- Reoxygenating technology
- Long lifespan
- Scalable from 12 kWh
- Integrated QuiPower Core
- Compatible with the QuiPower-platform

The QuiPower platform

Designed to create energy comfort in properties. Whether you need intelligent energy storage, dynamic car charging, automated lighting control or backup power during power outages, QuiPower helps you make your property more energy efficient. Daytime. Nighttime. Anytime.



PRODUCT AND DATA SHEET QUIPOWER STORAGE - HYDRIDE

Technical specifications		
Model	QPS Hydride 12 kWh	QPS Hydride 24 kWh
Rated energy (kWh)	11,5	23,0
Nominal voltage (VDC)	576	576
QPS voltage range (VDC)	480–768	480–768
Max. continuous charging power (kW)	4,6	9,2
Max. continuous discharging power (kW)	4,6	9,2
Dimensions (H x D x W)	1055 x 632 x 682	1786 x 632 682
approx. Weight (QPS in operation) (kg)	370	685
approx. Weight QPS, empty (kg)	90	125
Ingress protection (IP)	20	20
Min - Max. allowed ambient humidity (without condensation) (% RH)	5 - 55	5 - 55
Ambient operation temperature (°C)	0 - +30	0 - +30
Pollution degree (Class)	2	2
Overvoltage category (AC / DC)	III / II	III / II
EMC	EN 61000-6-2:2005 (Immunity) EN 61000-6-3:2007 (Emission)	EN 61000-6-2:2005 (Immunity) EN 61000-6-3:2007 (Emission)
Maximum installation altitude (m)	2000	2000



Kung Hans väg 3
192 68 Sollentuna
Sweden

+46 (0)10 - 122 17 00
info@enequi.com
www.enequi.com

THE BATTERY TECHNOLOGY



SUSTAINABLE DESIGN

Unlike most industrial batteries, the Nilar battery chemistry is water-based. Thanks to this it does not contain any cadmium, mercury or lead and only has a minimal amount of hard to recover raw materials.

PRODUCED IN GÄVLE, SWEDEN WITH 100% FOSSIL-FREE ENERGY

To keep our carbon footprint to a minimum, Nilar batteries are manufactured from cell to system at our fully automated production plant in Gävle, Sweden using 100% clean fossil-free and renewable energy.

GET THREE BATTERIES IN ONE WITH NILAR REOX®

Nilar batteries are not only rechargeable, they can also be revived to full capacity at least 3 times through the Nilar patented ReOx® process. This brings savings to your wallet, but above all, makes it easy for you to do the tight thing for our planet.

BATTERIES BUILT ON BATTERIES, BUILT ON BATTERIES...

Contributing to a circular economy is part of everything we do, from design to completion and recycling of batteries. The flat cell construction of our batteries is designed to simplify disassembly. This allows for material to be reused and recycled.

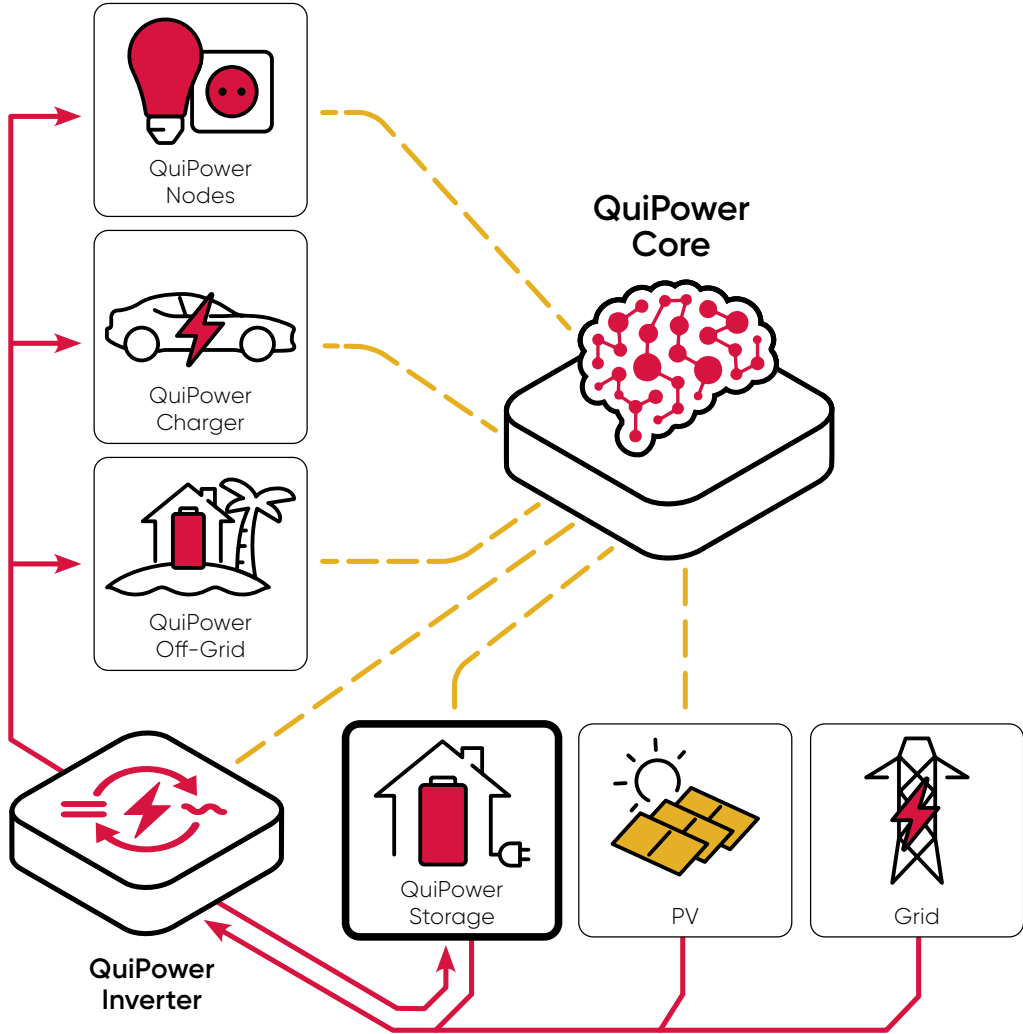
Nilar's batteries are the sustainable choice.



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SYSTEM OVERVIEW



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