

SolarMax Energy Systems

Integrated inverter 16 times the power



Overview

What is a sunsynk Max 16kw inverter?

The Sunsynk MAX 16kW is a low voltage (48V) hybrid inverter suitable for off-grid, grid support, back-up and self-consumption PV systems. Moreover, the inverter can also be used in both three-phase and single phase parallel applications. The largest single-phase hybrid Inverter on the market.

What is a hybrid inverter?

Hybrid inverters are essentially two inverters in one; they combine a solar inverter and a battery inverter into one simple unit. These advanced inverters use solar energy to power your home, charge a battery or send excess energy into the electricity grid. Most hybrid inverters can also provide emergency backup power during a blackout.

Does sigenergy have a hybrid inverter?

Notably, Sigenergy is the first company to release a fully integrated hybrid system that combines solar, battery storage, and bidirectional EV charging into a single unit. At its core is the hybrid inverter, available in single-phase and three-phase models ranging from 5kW to 25kW. All inverters support 200% solar oversizing.

How do I choose a hybrid inverter?

When evaluating a hybrid inverter, it's important to inquire about these capabilities and how they can be customized to suit your needs and preferences. Jason Svarc is an accredited solar and battery specialist who has been designing and installing solar and battery systems for over a decade.

Can a single phase hybrid inverter be used in parallel applications?

Moreover, the inverter can also be used in both three-phase and single phase parallel applications. The largest single-phase hybrid Inverter on the market. A total of 15 x inverters can be connected in a three-phase configuration (five

units per phase) - giving a maximum power output of 240kW.

How many X inverters can be connected?

A total of 15 x inverters can be connected in a three-phase configuration (five units per phase) - giving a maximum power output of 240kW. 3 x inverters can be connected in a single-phase configuration giving a total power of 48kW. Contains 3 x MPPTs to allow for flexible PV array designs and improved efficiency.

Integrated inverter 16 times the power



Sunsynk MAX 16kW Solar Hybrid Inverter

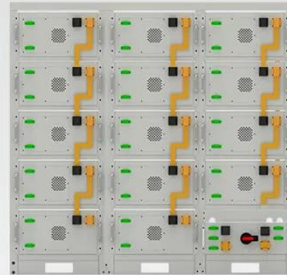
The Sunsynk MAX 16kW is a low voltage (48V) hybrid inverter suitable for off-grid, grid support, back-up and self-consumption PV systems. Moreover, the inverter can also be used in both ...

[Get a quote](#)

SunSynk 16kW Hybrid Inverter

The new Sunsynk 16kW Hybrid Inverter is the most powerful low-voltage inverter in the world, achieving a maximum output power of 16kW and a battery charge current of 275A.

[Get a quote](#)



Battery String-S224

- 1C Charge/Discharge
- Easy configuration and maintenance
- Power supply can be single battery string or parallel battery strings



Galaxy 6G EU 16Kw Triple Mppt Hybrid Inverter

Galaxy 6G is a 6th generation inverter technology. It comes with loaded accessories like Battery wire, ACDC box, CT sensor, Battery temperature ...

[Get a quote](#)

Best Hybrid Inverters 2025

These advanced inverters use energy from solar panels to power your home, charge a battery and provide emergency power during a blackout. We review the best hybrid ...

[Get a quote](#)



- LiFePO₄
- Wide temp: -20°C to 55°C
- Easy to expand
- Floor mount&wall mount
- Intelligent BMS
- Cycle Life:≥6000
- Warranty :10 years



Improved two-stage boost inverter with integrated control ...

Abstract: In this study, an integrated control strategy is proposed which can be widely used in two-stage boost inverters, and an improved two-stage boost inverter is taken as an example to ...

[Get a quote](#)

Power inverter buying guide

What is an inverter? A power inverter is a device that converts low-voltage DC (direct current) power from a battery to standard household AC (alternating current) power. An Inverter allows ...

[Get a quote](#)

LFP12V100



Multi-objective Control of Multi-Operational Grid-Integrated Inverter



Inverter topologies like three phase three leg, three level inverter, three phase four leg inverters are mostly used in literature [7], [8]. Due to simple construction of PV based ...

[Get a quote](#)

Fully-Protected Half-Bridge Power ICs Enable Motor ...

Implementing GaN power devices into a motor-drive system for PFC and inverter stages provides a significant reduction in power losses, and ...

[Get a quote](#)



ESS



SunSynk 16kW Hybrid Inverter

The new SunSynk 16kW Hybrid Inverter is the most powerful low-voltage inverter in the world, achieving a maximum output power of 16kW and a battery charge ...

[Get a quote](#)

Overview of power inverter topologies and control structures for ...

In grid-connected photovoltaic systems, a key consideration in the design and

operation of inverters is how to achieve high efficiency with power output for different power ...

[Get a quote](#)



Sunsynk 16kW Single Phase Hybrid Inverter from ITS Technologies

The Sunsynk MAX 16kW is the largest single-phase hybrid inverter on the market, designed for off-grid, grid support, backup, and self-consumption solar PV systems.

[Get a quote](#)

Comparing Central vs String Inverters for Utility-Scale ...

String inverters pole mounted along an access road. Photo courtesy CPS America. Central inverters are designed to centralize power ...

[Get a quote](#)



Combining Solar and Electric Inverters: Integrated ...

Explore integrated energy solutions with a solar and electric inverter for



sustainable power in your home or business. Harness renewable ...

[Get a quote](#)

MEGAREVO -16-24kW American Split-phase hybrid inverter

The split-phase hybrid inverter automatically matches mainstream batteries, is UL certified, integrates a breaker, supports two independent battery strings, and features a 200A pass ...



[Get a quote](#)



Sunsynk 16KW Single Phase Hybrid Inverter

Reduce your electricity costs by managing power from various energy sources, including solar panels, batteries, the national electricity grid, a generator or even a wind turbine - all with a ...

[Get a quote](#)

Integrated step-up non-isolated inverter with leakage current

This study presents a non-isolated step-up inverter without leakage current for low-voltage renewable energy generation such as photovoltaic (PV) cells grid connection. From ...

[Get a quote](#)



HYBRID INVERTER , NV16KW , NeoVolta

The NV16KAC Hybrid Inverter delivers up to 16,000W of continuous power with seamless integration for solar, batteries, and backup generators. Featuring 200A passthrough, smart ...

[Get a quote](#)



Solis Hybrid Solar Inverter S6-EH1P16K03-NV-YD-L 16kW 230V ...

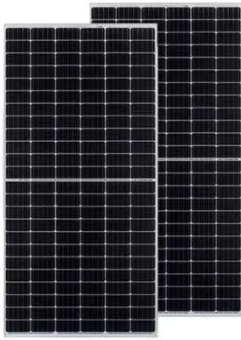
S6-EH1P (12-16)K-L series energy storage hybrid solar inverter is suitable for large residential PV energy storage system, support up to 40A MPPT current input, suitable for 182mm/210mm ...

[Get a quote](#)



Galaxy 6G EU 16Kw Triple Mppt Hybrid Inverter

Galaxy 6G is a 6th generation inverter



technology. It comes with loaded accessories like Battery wire, ACDC box, CT sensor, Battery temperature sensor, and communication cables.

[Get a quote](#)

Solar Integration: Inverters and Grid Services Basics

If you have a household solar system, your inverter probably performs several functions. In addition to converting your solar energy into AC power, it can ...

[Get a quote](#)



Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://www.zenius.co.za>