



# Deye 10kw hybrid inverter

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The Deye Three Phase Hybrid Inverter, encompassing models SUN-5K-SG04LP3-EU, SUN-6K-SG04LP3-EU, SUN-8K-SG04LP3-EU, SUN-10K-SG04LP3-EU, and SUN-12K-SG04LP3-EU, is a sophisticated energy management solution designed for both residential and commercial solar power applications. This series of inverters is engineered to integrate solar power generation with battery storage, ensuring optimal energy utilization and enhancing overall system efficiency.

The Deye SUN series inverters, models SUN-5/6/7.6/8K-SG02LP2-US-AM2 and SUN-10/12K-SG02LP2-US-AM3, represent cutting-edge technology in the realm of solar energy systems. These split-phase hybrid inverters are designed to seamlessly integrate various energy sources to enhance energy management for both residential and commercial applications. They offer unparalleled versatility with their ability to operate in both on-grid and off-grid settings.

One of the standout features of these inverters is their impressive maximum charging and discharging current of 250A. This robust capability ensures that the inverters can handle significant power loads, making them suitable for higher energy requirements.

The Deye inverters are designed to support energy storage from diesel generators. This feature provides added flexibility for users who rely on alternative power sources, particularly in regions where solar power alone may not be sufficient.

These inverters support the parallel operation of up to 16 units. This scalability is crucial for users who need to expand their energy systems over time, allowing for both on-grid and off-grid expansion seamlessly.

Battery compatibility is a key factor in the usability of these inverters. They support multiple batteries in parallel and can operate with lead-acid or lithium-ion batteries within a voltage range of 40-60V. This flexibility allows users to choose the battery type that best suits their energy needs and budget.

Featuring six configurable time periods for battery charging and discharging, these inverters enable users to optimize energy usage based on consumption patterns, thus improving overall energy efficiency and cost savings.

Equipped with a colorful touch LCD screen and housed in a durable IP65-rated enclosure, the inverters are built for ease of use and longevity. The IP65 rating ensures that the units can withstand harsh environmental conditions.

The Deye inverters meet rigorous standards including IEEE 1547.1, SRD V2.0, FCC, and UL 1741, ensuring they adhere to industry regulations for safety and performance.



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The Deye SUN-5/6/7.6/8/10/12K-SG02LP2-US-AM2/AM3 inverters are designed with a focus on reliability, flexibility, and user convenience, making them an excellent choice for anyone looking to enhance their solar energy system.

Experience the ultimate in power management with the Deye 10kW Inverter. Designed for both residential and commercial use, this high-performance inverter ensures optimal energy conversion and efficiency. With advanced features like intelligent energy management, high conversion efficiency, and robust build quality, the Deye 10kW Inverter is perfect for modern energy needs. Enjoy reliable, uninterrupted power and reduce your energy costs with this state-of-the-art solar inverter.

Thanks to the smart monitoring platform, Deye full series inverter products support remotely shutdown immediately when accident occurs. Setting parameters and FW update remotely, which makes PV plant O&M easier.

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