Deye SUN-20K-SG05LP3-EU

Product code: **F.deye.3f.H.20k-SG05LP3-EU**

Deye SUN-20K-SG05LP3-EU – Maximum Power and Reliability in PV Systems

The Deye SUN-20K-SG05LP3-EU is a flagship model of a three-phase hybrid inverter with a power output of 20 kW. Designed for the most demanding users, it delivers uncompromising energy efficiency and full integration with energy storage systems and backup power solutions.

Product variants

Index	Price
Deye SUN-20K-SG05LP3-EU **F.deye.3f.H.20k-SG05LP3-EU**	Product prices only visible after login. If you do not have an account, please register.

Product description

Deye SUN-20K-SG05LP3-EU – Maximum Power and Reliability in PV Systems

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Main Advantages

Maximum efficiency – 97.6%

Supports PV up to 40,000 W – ideal for large-scale photovoltaic installations

Charging/discharging up to 350 A – fast and efficient energy management

Parallel operation of up to 10 units – seamless scalability

Industrial-grade protections – OVP, OCP, AFCI, leakage current monitoring

6 charging schedules – full control over battery cycles

Ready for integration with existing infrastructure – via AC Coupling

Key Technical Specifications

Output power: 20,000 W

Max PV power: 40,000 W

MPPT trackers: 2

Charge/discharge current: up to 350 A

MPPT voltage range: 160–650 V

Battery compatibility: 40–60 V (48 V nominal)

Communication: RS485, CAN, WiFi, LAN, Bluetooth, GPRS

Protection rating: IP65

Dimensions: 456 × 750 × 268.5 mm

Weight: 51.9 kg

Cooling: Intelligent air cooling

The Deye SUN-20K-SG05LP3-EU is the perfect choice for investors, businesses, and households seeking maximum power, peak efficiency, and full energy independence. A premium-class solution for professional PV systems.