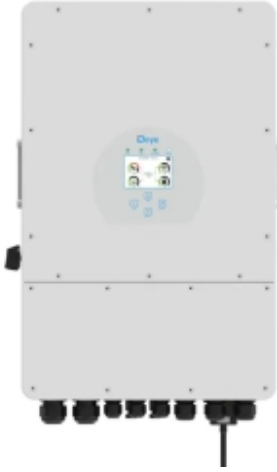


Deye SUN-10K-SG04LP3-EU

Product code: F.Deye.3F.H.10K-SG04LP3-EU



| | |
|---------------------------|-----------------|
| Manufacturer | DEYE |
| Inverter type | Hybrid |
| Inverter phases | 3 |
| Max. AC power | 11000 |
| Max. DC power | 13000 |
| Output power | 11000 |
| MPPT | 2 |
| Amperage | 26+13 |
| WIFI | Tak |
| Ethernet | No |
| Compatible energy storage | Deye, Pylontech |
| Compatible optimizers | Tigo |
| Warranty | 5 |
| CN code number | 85044085 |
| Country of origin | China |
| Weight | 33.6 |
| Width | 42 |
| Height | 28 |
| Depth | 70 |

The Deye SUN-10K-SG04LP3-EU hybrid inverter is a low-voltage (48V) three-phase inverter that allows for increased energy independence and optimization of energy flow between different sources and energy consumers. Its compact design and high power density make this series offer a favorable DC/AC ratio of 1.3, resulting in investment savings. Additionally, the inverter supports three-phase unbalanced output, expanding its application possibilities in various scenarios.

Product variants

| Index | Price |
|--|--|
| Deye SUN-10K-SG04LP3-EU F.Deye.3F.H.10K-SG04LP3-EU | Product prices only visible after login. If you do not have an account, please register. |

Product description

The Deye SUN-10K-SG04LP3-EU hybrid inverter is a low-voltage (48V) three-phase inverter that allows for increased energy independence and optimization of energy flow between different sources and energy consumers. Its compact design and high power density make this series offer a favorable DC/AC ratio of 1.3, resulting in investment savings. Additionally, the inverter supports three-phase unbalanced output, expanding its application possibilities in various scenarios.

Advantages of the three-phase hybrid inverter Deye SUN-10K-SG04LP3-EU:

Full unbalanced power for each phase, reaching a maximum output power of up to 50% of the rated power.

Integration capability with both DC and AC power to enhance existing solar system.

Support for simultaneous operation of up to 16 units on-grid and off-grid; capability to handle multiple batteries in parallel.

Max. charging/discharging current 240 A.

48V low-voltage battery with transformer isolation.

6 battery charging/discharging periods.

Support for energy storage from a diesel generator.

Technical data of the three-phase hybrid inverter Deye SUN-10K-SG04LP3-EU:

Battery Type: Lead-acid or lithium-ion

Battery Voltage Range (V): 4060

Max. Charging Current (A): 210

Max. Discharging Current (A): 210

External Temperature Sensor: Yes

Charging Curve: 3-stage / equalization

Lithium-ion Battery Charging: Self-adaptation to BMS system

PV Array Input Data:

Max. DC Input Power (W): 13000

Rated PV Input Voltage (V): 550 (160800)

Startup Voltage (V): 160

MPPT Range (V): 200-650

DC Voltage Range at Full Load (V): 350-650

PV Input Current (A): 26+13

Max. PV ISC (A): 34+17

Number of MPPT / Strings per MPPT: 2/2+1

AC Output Data:

Rated AC Output and UPS Power (W): 10000

Max. AC Output Power (W): 11000

Rated AC Output Current (A): 15.2

Max. AC Current (A): 22.7

Continuous AC Current Flow (A): 45

Peak Power (Off-grid): 2 times rated power, 10 S

Power Factor: Leading to Lagging 0.8

Output Frequency and Voltage: 50/60Hz; 3L/N/PE 220/380, 230/400Vac

Grid Type: Three-phase

Max. Efficiency: 97.60%

Output Overvoltage Protection: DC type II / AC type III

Operating Temperature Range (°C): -45~60°C, >45°C derating

Noise (dB): < 45 dB

BMS Communication: RS485; CAN

Weight (kg): 33.6

Dimensions (mm): 422 width x 699.3 height x 279 depth

Degree of Protection: IP65

Installation Style: Wall-mounted

Warranty: 5 years

