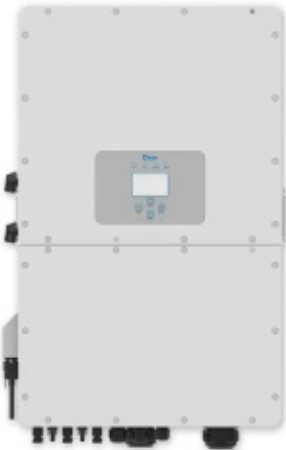


Deye SUN-20K-SG01HP3-EU-AM3

Product code: F.Deye.3F.H.20K-SG01HP3-EU-AM2



Manufacturer	DEYE
Inverter type	Hybrid
Inverter phases	3
Max. AC power	22000
Max. DC power	26000
Output power	22000
MPPT	2
Amperage	36
WIFI	Tak
Ethernet	No
Compatible energy storage	Deye, Pylontech
Compatible optimizers	Tigo
Warranty	5
CN code number	85044085
Country of origin	China
Weight	26
Width	56
Height	32
Depth	84

The hybrid inverter Deye SUN-20K-SG01HP3-EU-AM2 is a high-voltage three-phase inverter that increases energy independence and optimizes energy flow between various sources and receivers. Equipped with 2 Maximum Power Point Tracking (MPPT) points and 1 input for connecting batteries, significantly improving the self-consumption efficiency of the energy generated by the photovoltaic installation.

Product variants

Index	Price
<p>Deye SUN-20K-SG01HP3-EU-AM3 F.Deye.3F.H.20K-SG01HP3-EU-AM2</p>	<p>Product prices only visible after login. If you do not have an account, please register.</p>

Product description

The hybrid inverter Deye SUN-20K-SG01HP3-EU-AM2 is a high-voltage three-phase inverter that increases energy

independence and optimizes energy flow between various sources and receivers. Equipped with 2 Maximum Power Point Tracking (MPPT) points and 1 input for connecting batteries, significantly improving the self-consumption efficiency of the energy generated by the photovoltaic installation.

Advantages of the three-phase hybrid inverter Deye SUN-20K-SG01HP3-EU-AM2:

Full unbalanced power for each phase, achieving a maximum output power of up to 50% of the rated power.
Ability to integrate with both direct and alternating current to enhance existing solar systems.
Support for simultaneous operation of up to 16 units on and off the grid; ability to handle multiple batteries in parallel.
Max. charging/discharging current 74 A
High-voltage battery, higher efficiency.
6 battery charging/discharging periods
Support for energy storage from diesel generators
Technical data of the three-phase hybrid inverter Deye SUN-20K-SG01HP3-EU-AM2:
Battery type: Lead-acid or lithium-ion
Battery voltage range (V): 200~700
Max. Charging current (A): 37
Max. Discharge current (A): 37
Number of battery inputs: 1
Charging curve: 3 stages / equalization
Lithium-ion battery charging: Self-adaptation to BMS system
Max. DC input power (W): 26000
Max. DC input voltage (V): 1000
Start-up voltage (V): 160
MPPT range (V): 200-850
Min. DC input voltage (V): 150
DC voltage range at full load (V): 360-850
Rated DC input voltage (V): 500
PV input current (A): 36+36
Max. PV ISC (A): 50+50
Number of MPPT / Strings per MPPT: 2/2+2
Rated AC output and UPS power (W): 20000
Max. AC output power (W): 22000
Rated AC output current (A): 30.3
Max. AC transient current (A): 45.4
Max. continuous AC current flow (A): 100
Peak power (off-grid) 2 times the rated power, 10 S
Generator input/intelligent charging/AC feedback current (A): 30.3 / *180 / 30.3
Max. Efficiency 97.60%
Euroefficiency 97.00%
MPPT efficiency 99.90%
Dimensions (mm): 560.5 width × 837 height × 319 depth
Weight (kg): 60
Noise (dB): <45 dB
Degree of protection IP65
Installation style Wall mounting