

Deye SUN-50K-SG01HP3-EU-BM4

Product code: F.Deye.3F.H.50K-SG01HP3-EU-BM4



Manufacturer	DEYE
Inverter type	Hybrid
Inverter phases	3
Max. AC power	50000
МРРТ	2
Ethernet	-
Compatible energy storage	Deye, Pylontech
Compatible optimizers	Tigo

The three-phase hybrid inverter Deye SUN-50K-SG01HP3-EU-BM4 is a modern energy management solution, ideal for both new installations and upgrades of existing PV systems. With the ability to connect to both DC and AC power and operate in on-grid and off-grid modes, the system offers maximum flexibility. It supports up to 16 units in parallel and multiple batteries, allowing for easy expansion. A high-voltage battery, charging/discharging current up to 100A, and 6 programmable operating periods enhance efficiency and control. Additionally, cooperation with a diesel generator is supported.

Product variants

Index	Price
Deye SUN-50K-SG01HP3-EU-BM4 F.Deye.3F.H.50K-SG01HP3-EU-BM4	Product prices only visible after login. If you do not have an account, please register.

Product description

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Key features of the Deye SUN-50K-SG01HP3-EU-BM4: 100% unbalanced output in each phase - flexibility and energy independence Ability to connect to DC and AC power - ideal for upgrading PV Up to 16 units operating in parallel – scalability in grid-tied and off-grid operation Support for multiple batteries in parallel - increased capacity and safety Maximum charging/discharging current: 100A - high efficiency High-voltage battery - better performance and longer lifespan 6 charging/discharging periods - full control over energy management Support for energy storage from a diesel generator - independence in all conditions Technical data of Deye SUN-50K-SG01HP3-EU-BM4: Battery: Type: lithium-ion / lead-acid Operating voltage: 200-700 V Maximum charging/discharging current: 2 × 37 A **PV** Input: Maximum input power: 65,000 W Number of MPPTs: 4 MPPT voltage range: 200-850 V Maximum PV input current: 4×36 A AC Output: Nominal power: 50,000 W Maximum output power: 55,000 W Operating mode: on-grid and off-grid Maximum AC output current: 100 A Efficiency: Maximum efficiency: 97.6% MPPT tracking efficiency: 99.9% General parameters: Protection degree: IP65 Dimensions: 560.5 × 837 × 319 mm Weight: 60 kg