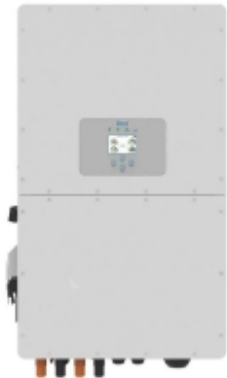


Deye SUN-40K-SG01HP3-EU-BM4

Product code: F.Deye.3F.H.40K-SG01HP3-EU-AM2



Manufacturer	DEYE
Inverter type	Hybrid
Inverter phases	3
Max. AC power	40000
MPPT	2
Ethernet	-
Compatible energy storage	Deye, Pylontech

Three-phase hybrid inverter Deye SUN-40K-SG01HP3-EU-BM4 is a modern energy management solution, ideal for both new installations and upgrades of existing PV systems. With its ability to connect to both DC and AC sources and operate in on-grid and off-grid modes, it offers maximum flexibility. It supports up to 16 units in parallel and multiple batteries, allowing for easy expansion. The high-voltage battery, charging/discharging current of up to 100A, and 6 programmable operation periods enhance efficiency and control. Additionally, it supports integration with a diesel generator.

Product variants

Index	Price
Deye SUN-40K-SG01HP3-EU-BM4 F.Deye.3F.H.40K-SG01HP3-EU-AM2	Product prices only visible after login. If you do not have an account, please register.

Product description

Three-phase hybrid inverter Deye SUN-40K-SG01HP3-EU-BM4 is a modern energy management solution, ideal for both new installations and upgrades of existing PV systems. With its ability to connect to both DC and AC sources and operate in on-grid and off-grid modes, it offers maximum flexibility. It supports up to 16 units in parallel and multiple batteries, allowing for easy expansion. The high-voltage battery, charging/discharging current of up to 100A, and 6 programmable operation periods enhance efficiency and control. Additionally, it supports integration with a diesel generator.

Key features of the Deye SUN-40K-SG01HP3-EU-BM4:

100% unbalanced output on each phase – energy independence and flexibility

Support for both DC and AC input – perfect for PV system retrofits

Up to 16 units in parallel – scalability in both on-grid and off-grid applications

Support for multiple parallel-connected batteries – increased capacity and safety

Maximum charge/discharge current: 100A – high efficiency

High-voltage battery – better performance and longer lifespan

6 charge/discharge time periods – full energy management control

Support for energy storage from diesel generator – energy independence in all conditions

Technical specifications of the Deye SUN-40K-SG01HP3-EU-BM4:

Battery:

Type: Lithium-ion / Lead-acid

Operating voltage: 200–700 V

Max charge/discharge current:  $2 \times 37$  A

PV Input:

Max input power: 40,000 W

Number of MPPTs: 4

MPPT voltage range: 200–850 V

Max PV input current:  $4 \times 36$  A

AC Output:

Rated power: 40,000 W

Max output power: 44,000 W

Operation mode: On-grid and Off-grid

Max AC output current: 100 A

Efficiency:

Max efficiency: 97.6%

MPPT tracking efficiency: 99.9%

General Parameters:

Protection class: IP65

Dimensions: 560.5 × 837 × 319 mm

Weight: 60 kg