

Solaredge SE50K-RW00IBNM4

Product code: F.Solaredge.SE50K-RW00IBNM4



Manufacturer	SOLAREEDGE
Inverter type	On-grid
Inverter phases	3
Ethernet	-

SOLAREEDGE SE50K-RW00IBNM4 is a high-performance three-phase inverter designed for commercial and industrial applications. Thanks to a special pre-commissioning process, the installation of the photovoltaic system is quick and hassle-free. It ensures a high efficiency of 98%, integrated module-level monitoring, and advanced safety solutions.

The SOLAREEDGE SE50K-RW00IBNM4 requires 2 units of the auxiliary unit SESUK-RW00INNN4 to operate.

Product variants

Index	Price
Solaredge SE50K-RW00IBNM4 F.Solaredge.SE50K-RW00IBNM4	Product prices only visible after login. If you do not have an account, please register.

Product description

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Advantages of the SOLAREEDGE SE50K-RW00IBNM4 Inverter:

The pre-commissioning function allows for automatic verification of system components and wiring during installation, prior to connecting to the grid.

Installation is easy even for two people due to the lightweight, modular design. Each inverter contains 2 or 3 synergistic units and one device for managing synergistic operations.

Independent operation of each synergistic unit extends reliable operation time and facilitates maintenance.

Built-in temperature sensors detect wiring failures, ensuring enhanced protection and safety.

Built-in protection against arc fault consequences and optional rapid shutdown are available.

The integrated PID reduction feature ensures maximum system performance.

An optional integrated DC emergency switch eliminates the need for external DC isolators.

The built-in module-level monitoring feature, with communication via Ethernet or cellular network, provides full system visibility.

Technical Data for SOLAREEDGE SE50K-RW001BNM4:

Manufacturer: SolarEdge

Network type: Three-phase

Rated AC power: 50,000 W

AC output voltage - phase-phase / phase-neutral (range): 304 - 437 / 176 - 253; 320 - 460 / 184 - 264.5 Vac

Maximum continuous output current (per phase): 72.5 Adc

Maximum DC power (STC module) / synergistic unit: 75,000 / 37,500 W

Maximum output voltage: 1000 Vdc

Nominal DC input voltage: 750 Vdc

Maximum input current: 2 x 36.25 Adc

Number of synergistic units per inverter: 2

Maximum efficiency: 98.3%

DC input inverter / synergistic unit: 8 / 4 pairs of MC4

Supported communication interfaces: 2x RS485, Ethernet, Wi-Fi (optional), cellular network (optional)

Protection class: IP65 – suitable for outdoor and indoor use

Cooling type: Fan (replaceable)

Dimensions of the synergy management device: 360 x 560 x 295 mm

Weight of the synergy management device: 18 kg.