

Solaredge SE90K-RW00IBNM4

Product code: F.Solaredge.SE90K-RW00IBNM4



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

SOLAREEDGE SE90K-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 high efficiency at 98%, integrated module monitoring, and advanced safety solutions.

Product variants

| Index | Price |
|---|--|
| Solaredge SE90K-RW00IBNM4 F.Solaredge.SE90K-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 SE90K-RW00IBNM4 inverter:

The pre-commissioning function automates the verification of system components and wiring during installation, before connecting to the grid.

Installation is easy even for two people due to its 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 the time of reliable operation and facilitates maintenance.
Built-in temperature sensors detect wiring failures, providing enhanced protection and safety.
Integrated protection against the effects of arc faults and optional rapid shutdown are available.
The built-in PID reduction feature ensures maximum system performance.
An optional integrated DC emergency switch eliminates the need for external DC isolators.
The integrated module-level monitoring function with communication via Ethernet or cellular network provides full system visibility.

Technical specifications of the SOLAREEDGE SE90K-RW00IBNM4:

Manufacturer: SolarEdge

Network type: Three-phase

Nominal AC power: 90,000 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): 130.5 Adc

Maximum DC power (STC module) / synergistic unit: 100,000 / 50,000 W

Maximum output voltage: 1000 Vdc

Nominal DC input voltage: 750 Vdc

Maximum input current: 3x 43.5 Adc

Number of synergistic units per inverter: 3

Maximum efficiency: 98.3%

DC input inverter / synergistic unit: 12 / 4 pairs 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.