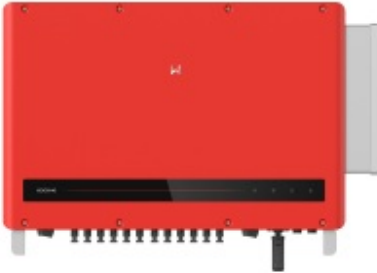


GoodWe GW100K-HT | z AFCI

Product code: F.Goodwe.3F.wifi.01000.K-HT



Compact GoodWe GW100K-HT Inverter | with AFCI – High Power for Large PV Installations

The HT series is a high-performance inverter designed for commercial systems and small solar farms. With high power density, it allows for optimal space utilization and a reduced number of devices. It is compatible with high-power modules, which increases the profitability of installations. It also supports energy monitoring and export control functions using the GoodWe SEC1000 controller.

Maximum Efficiency and Safety in Every Installation

HT series inverters offer up to 10% more output power at temperatures up to 45°C, with up to 12 MPPTs and 15A per DC string – ideal for high-power modules. Optional PLC technology and AFCI protection enhance functionality and safety. The IP66 and C5 rated enclosure protects against dust, water, and corrosion. It's a solution designed with efficiency, savings, and strict industrial standards in mind.

Product variants

Index	Price
GoodWe GW100K-HT z AFCI F.Goodwe.3F.wifi.01000.K-HT	Product prices only visible after login. If you do not have an account, please register.

Product description

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Technical Specifications – GoodWe GW100K-HT Inverter | with AFCI

DC Side (Input):

Max. PV generator power: 150 kWp

Max. input voltage (VOC): 1100 V

MPPT voltage range: 180 – 1000 V

Start-up voltage: 200 V

Nominal input voltage: 600 V

Number of MPPTs: 10

Inputs per MPPT: 2

Max. input current per MPPT: 30 A

Max. short-circuit current per MPPT: 45 A

AC Side (Output):

Nominal AC power: 100 kW

Max. AC power: 110 kVA

Max. output current: 167 A

Output voltage: 400 V (3L/N/PE)

Efficiency:

Max. efficiency: 98.6%

European efficiency: 98.3%

Protection & Safety:

Arc Fault Circuit Interruption (AFCI): Yes

DC switch: Yes

Type II surge protection (DC and AC): Yes

AC overcurrent protection: Yes

Communication Interfaces:

RS485, WiFi, PLC, Bluetooth

Environmental Conditions:

Operating temperature: -30°C to +60°C (power derating above 45°C)

Relative humidity: 0-100% (non-condensing)

Max. operating altitude: 5000 m a.s.l. (power derating above 4000 m)

Enclosure & Cooling:

Protection rating: IP66

Cooling: Active (fans)

Dimensions & Weight:

Dimensions (W x H x D): 1008 x 678 x 343 mm

Weight: 93.5 kg

HT series inverters, such as the GoodWe GW100K-HT, form the backbone of efficient PV systems in the B2B sector. They are ideal for large solar farms as well as commercial rooftop PV installations, where reliability, scalability, and investment cost optimization are key.
