

GoodWe GW6000-ET-20 AFCI

Product code: Goodwe.GW6000-ET.20.AFCI



GoodWe GW6000-ET-20 – 6 kW Three-Phase Hybrid Inverter with Emergency Power Supply (UPS)

The GoodWe GW6000-ET-20 is a state-of-the-art second-generation hybrid inverter (ET G2), designed for efficient and reliable photovoltaic installations in single-family homes and small businesses. It not only enables effective energy conversion from PV modules but also allows energy storage and smart consumption management – in both on-grid and off-grid modes.

Thanks to its integrated Uninterruptible Power Supply (UPS) function, the inverter ensures uninterrupted operation of household appliances even during a grid outage.

The device also supports SG Ready solutions, meaning it is prepared to work with EV chargers and other smart home appliances. High efficiency, robust construction, a wide voltage range, and intuitive operation make it an ideal solution for users seeking maximum energy independence.

Product variants

Index	Price
<p>GoodWe GW6000-ET-20 AFCI Goodwe.GW6000-ET.20.AFCI</p>	<p>Product prices only visible after login. If you do not have an account, please register.</p>

Product description

GoodWe GW6000-ET-20 – 6 kW Three-Phase Hybrid Inverter with Emergency Power Supply (UPS)

The GoodWe GW6000-ET-20 is a state-of-the-art second-generation hybrid inverter (ET G2), designed for efficient and reliable photovoltaic installations in single-family homes and small businesses. It not only enables effective energy conversion from PV modules but also allows energy storage and smart consumption management – in both on-grid and off-grid modes.

Thanks to its integrated Uninterruptible Power Supply (UPS) function, the inverter ensures uninterrupted operation of household appliances even during a grid outage.

The device also supports SG Ready solutions, meaning it is prepared to work with EV chargers and other smart home appliances. High efficiency, robust construction, a wide voltage range, and intuitive operation make it an ideal solution for users seeking maximum energy independence.

Key Features and Functionality:

Emergency power supply with UPS function – immediate switchover to off-grid mode

Supports high-voltage lithium-ion batteries (150–720 V)

Smart operating modes and energy self-consumption

Built-in energy meter (Smart Meter) – no additional components required

Remote control and monitoring – via WiFi, LAN, Bluetooth, and mobile app

Communication with BMS systems – RS485 / CAN

Supports SG Ready EV chargers and home appliances

High build quality – passive cooling and IP66 protection rating

Technical Data (Key Parameters):

Inverter type: Hybrid, three-phase

AC output power: 6,000 W

Number of MPPTs: 2

Max. efficiency: 98.0%

European efficiency: 97.2%

Battery voltage range: 150 – 720 V

Max. charge/discharge power: 9,000 W / 6,600 W

Max. PV input power: 9,600 W

MPPT voltage range: 120 – 850 V

Nominal input voltage: 620 V

Nominal AC output voltage: 400 / 380 V

Max. AC output current: 8.7 A

Max. backup power (UPS): 6,000 VA (up to 12,000 VA for 60 seconds)

Communication: RS485, CAN, WiFi, LAN, Bluetooth

Nighttime power consumption: <15 W

Protection rating: IP66

Dimensions: 496 × 460 × 221 mm

Weight: 23 kg

Noise level: <30 dB

Topology: Non-isolated

Thanks to the use of the latest technologies and full compatibility with energy storage systems and smart home solutions, the GoodWe GW6000-ET-20 is more than just an inverter – it's a comprehensive energy management hub. It is perfectly suited for modern photovoltaic installations where reliability, cost-efficiency, and maximum independence from the power grid are essential.
