

GoodWe GW10K-ET-20 G2 AFCI

Product code: F.Goodwe.3F.H.ETAFCI.wifi.00100



GoodWe GW10K-ET-20 – 10 kW Hybrid Inverter with 3 MPPT, Emergency Power Supply, and Energy Storage Support

The GoodWe GW10K-ET-20 is an advanced three-phase hybrid inverter from the modern ET G2 series, specifically designed for large photovoltaic installations with energy storage capabilities. With a high nominal power of 10 kW and three independent MPPTs, it offers exceptional design flexibility—ideal for rooftops with varying layouts or PV module orientations.

This model perfectly combines solar energy conversion, intelligent energy storage charging/discharging, emergency power supply (UPS), and remote management and monitoring. Its versatile operating modes allow for energy use optimization, cost reduction, and full energy independence—whether in residential or small commercial installations.

It is fully compatible with high-performance HV lithium-ion batteries, EV chargers, and SG Ready smart home devices. The robust IP66-rated housing, quiet operation, and passive cooling ensure durability and reliability in all conditions.

Product variants

Index	Price
<p>GoodWe GW10K-ET-20 G2 AFCI F.Goodwe.3F.H.ETAFCI.wifi.00100</p>	<p>Product prices only visible after login. If you do not have an account, please register.</p>

Product description

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Key Advantages:

High nominal power – 10 kW – ideal for large PV installations with battery systems

3 MPPTs – maximum design flexibility for various panel configurations

UPS emergency power supply – instant response to grid outages (10 kVA standard, up to 18 kVA for 60 seconds)

Smart energy management – programmable modes, maximum self-consumption

Built-in Smart Meter – no need for external components

Full compatibility with energy storage systems (voltage range: 150–720 V)

Advanced communication and remote monitoring – RS485, CAN, WiFi, LAN, Bluetooth

SG Ready compliance – prepared for EV chargers and smart home systems

Full protection package – AFCI, overvoltage, overcurrent, anti-islanding protection

Extended Technical Specifications:

Inverter Type: Hybrid, 3-phase

Nominal AC Output Power: 10,000 W

Max PV Input Power: 16,000 W

Number of MPPTs / Strings: 3 / 1

MPPT Voltage Range: 120–850 V

Nominal Input Voltage: 620 V

Battery Voltage Range: 150–720 V

Max Charging / Discharging Power: 15,000 W / 11,000 W

Emergency Power Supply (UPS, off-grid): 10,000 VA (18,000 VA for 60 seconds)

Max AC Output Current (to grid): 14.5 A

Max / European Efficiency: 98.2% / 97.5%

MPPT Efficiency: 99.5%

Communication: RS485, CAN, WiFi, LAN, Bluetooth

Display and Control: LED, GoodWe SEMS App

Cooling: Passive (natural convection)

Night Power Consumption: <15 W

Noise Level: <30 dB

Protection Rating: IP66

Dimensions / Weight: 496 × 460 × 221 mm / 25 kg

Applications:

Residential PV systems and large households

Installations integrated with heat pumps, air conditioning, or EV chargers

Commercial facilities with medium energy consumption

Projects requiring emergency power supply (UPS)

Smart Home and off-grid systems

The GoodWe GW10K-ET-20 is a comprehensive and intelligent solution for demanding users. Combining high power, three independent MPPTs, reliable emergency power functionality, and energy storage compatibility, it's the ideal device for those who want full control over their home's or business's energy. A future-proof investment—safe, efficient, and independent from external conditions.
