

# GoodWe GW8KN-ET PLUS+ ( 16A ) Hybrid Backup

Product code: F.Goodwe.3F.H.KNETPLUS.wifi.00080



Manufacturer	GOODWE
Inverter type	Hybrid
Inverter phases	3
Max. AC power	8000
MPPT	2
Ethernet	-
Compatible energy storage	Pylontech, Goodwe

The hybrid inverter GoodWe GW8KN-ET PLUS+ plays a key role as the central point of a photovoltaic installation, harmoniously integrating with an energy storage system. Its design focuses on three main objectives: maximizing output power, increasing self-consumption, and facilitating backup power supply. Thanks to intelligent load management and a wide battery voltage range, the entire system is highly flexible, allowing for customization to individual needs within the home ecosystem. Combining the inverter with the GoodWe Lynx Home F energy storage achieves a comprehensive and reliable solution.

## Product variants

Index	Price
<b>GoodWe GW8KN-ET PLUS+ ( 16A ) Hybrid Backup</b> F.Goodwe.3F.H.KNETPLUS.wifi.00080	Product prices only visible after login. If you do not have an account, please register.

## Product description

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Advantages of the GoodWe GW8KN-ET PLUS+ inverter:

Fanless design for quiet operation

Backup power supply with uninterrupted switching <10ms

Integration with smart home systems

Technical specifications of the GoodWe GW8KN-ET PLUS+ inverter:

Maximum input voltage (VOC): 1000VDC

MPPT voltage range: 200 - 850VDC

Nominal input voltage: 620VDC

Start-up voltage (VSTART): 180VDC

Maximum DC input current: 16 / 16ADC

Maximum short-circuit current: 21.2 / 21.2ADC

Maximum PV module power: 15 kWp

Number of input terminal pairs: 2

Number of MPPTs: 2

Nominal output power (W): 8000

Maximum apparent output power to utility grid (VA): 8800

Maximum apparent power from utility grid (VA): 15000

Nominal output voltage (V): 400 / 380, 3L / N / PE

Output voltage range (V): 0 ~ 300

Nominal AC grid frequency (Hz): 50 / 60

AC grid frequency range (Hz): 45 ~ 65

Maximum AC output current to utility grid (A): 13.5

Maximum AC current from utility grid (A): 22.7

Power factor regulation range: ~1 (adjustable from leading 0.8 to lagging 0.8)

Total harmonic distortion THD: <3%

DC disconnect: yes

Cooling: convection

External ports: RS485, CAN, WiFi

Display: LED indicators + application

Certifications: NC RfG

Enclosure protection rating: IP-66

Dimensions: 415 x 516 x 180 mm

Weight: 24 kg

Operating temperature: -35 to +60°C

Allowed relative humidity: 0 - 95% non-condensing

Maximum efficiency: 98.2%

EU efficiency: 97.5%

The GoodWe GW8KN-ET PLUS+ inverter represents a comprehensive solution for photovoltaic installations with energy storage systems, combining energy efficiency, configuration flexibility, and safe backup power supply.