

## GoodWe GW6.5KN-ET PLUS+ ( 16A ) Hybrid Backup

Product code: F.Goodwe.3F.H.KNETPLUS.wifi.00065



Manufacturer	GOODWE
Inverter type	Hybrid
Inverter phases	3
Max. AC power	5000
MPPT	2
WIFI	Yes
Ethernet	No
Compatible energy storage	Pylontech, Goodwe
Compatible optimizers	Tigo
Warranty	5
Quantity per pallet	6
Country of origin	China
Weight	24
Width	41
Height	52
Depth	18

### GoodWe GW6.5KN-ET PLUS+ Hybrid Inverter

The GoodWe GW6.5KN-ET PLUS+ hybrid inverter plays a key role as the central point of a photovoltaic installation, harmoniously working with an energy storage system. Its design focuses on three main objectives: maximizing output power, increasing self-consumption, and facilitating emergency power supply. Thanks to intelligent load control and a wide battery voltage range, the entire setup is extremely flexible, allowing adaptation to individual needs within the home ecosystem.

## Product variants

Index	Price
<b>GoodWe GW6.5KN-ET PLUS+ ( 16A ) Hybrid Backup</b> F.Goodwe.3F.H.KNETPLUS.wifi.00065	Product prices only visible after login. If you do not have an account, please register.

## Product description

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Combining the inverter with the GoodWe Lynx Home F energy storage system achieves a comprehensive and reliable solution.

Advantages of the GoodWe GW6.5KN-ET PLUS+ Inverter:

Fanless and quiet operation

Emergency power supply with seamless switching <10ms

Integration with smart home systems

Technical Data of the GoodWe GW6.5KN-ET PLUS+ Inverter:

Maximum Input Voltage (VOC): 1000VDC

MPPT Voltage Range: 200 - 850VDC

Nominal Input Voltage: 620VDC

Startup Voltage (VSTART): 180VDC

Maximum DC Input Current: 16 / 16ADC

Maximum Short Circuit Current: 21.2 / 21.2ADC

Maximum PV Module Power: 15kWp

Number of Input Pairs: 2

Number of MPPTs: 2

Nominal Output Power (W): 6500

Maximum Apparent Output Power to the Electrical Grid (VA): 7150

Maximum Apparent Power from the Electrical Grid (VA): 13000

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 the Electrical Grid (A): 10.8

Maximum AC Current from the Electrical Grid (A): 19.7

Power Factor Adjustment Range: ~1 (adjustable from 0.8 leading to 0.8 lagging)

Total Harmonic Distortion (THD): <3%

DC Disconnect: Yes

Cooling: Convection

External Ports: RS485, CAN, WiFi

Display: LED indicators + app

Certificates: NC RfG

Enclosure Protection Rating: IP-66

Dimensions: 415 x 516 x 180mm

Weight: 24kg

Operating Temperature: -35 to +60°C

Allowable Relative Humidity: 0 - 95% non-condensing

Maximum Efficiency: 98.2%

EU Efficiency: 97.5%

The GoodWe GW6.5KN-ET PLUS+ inverter provides a comprehensive solution for photovoltaic installations with energy storage systems, combining energy efficiency, configurational flexibility, and secure emergency power supply.