



The third generation of the GivEnergy String Inverter can be coupled directly with solar panels to generate usable electricity in the property.

It can be coupled directly with solar panels to generate usable electricity in the property, as well as store any excess energy for later use in a battery. The Hybrid Inverter aims to minimise export by storing excess energy in the battery during generation hours. Additionally it will minimise import by discharging to meet demand in the property.



#### In-built WiFi and LAN

Includes in-built WiFi and LAN for a hard-wired network connection.



#### Flexible Rate Tariff

Charge the battery off-peak when it's cleaner, greener and less costly then discharge the battery during peak times for maximum saving.



#### 12 Year Warranty

Supplied with a full manufacturer's warranty. Our UK team are on hand to help you should any issues arise.

## String Inverter 6.0 GEN 3

### INPUT DATA (PV)

Max. DC Input Power (per string)	9.0kWp
Start-up Voltage	80V
Max. PV Voltage	600V
MPPT Range	90V-550V
Nominal Voltage	360V
Max. Short Circuit Current (per string)	2*21A
Max. Input Current (per string)	17A
MPPT Tracker / No. of Strings per MPPT Tracker	2/1

### OUTPUT DATA (AC)

Nominal AC Output Power	6000W
Max. Apparent Power Output to Utility Grid	6000VA
Max. Output Current	26A
Nominal Voltage / Range	230VAC / 180VAC - 270VAC
Frequency Range	50 / 60 Hz; $\pm 5$ Hz
Power Factor (Full Load)	>0.99
Power Factor Range	0.8 Lagging... 0.8 Leading
THDI (Nominal Power)	<3%
AC Connection	Single Phase

### PROTECTION DEVICES

DC Reverse Polarity Protection	Yes
DC Switch Rating for each MPPT	Yes
Output Overvoltage Protection Varistor	Yes
Ground Fault Monitoring	Yes
Grid Monitoring	Yes
Max. Inrush Current	30A Peak
Max. Output Fault Current	40A Peak
Max. Output Overcurrent Protection	25A RMS
Earth Leakage Current Monitoring	Yes
AFCI	Yes

GENERAL DATA

Dimensions	583H x 205D x 480W (mm)
Weight	~30Kg
PV Max. Efficiency	97.6%
Euro Efficiency	97%
MPPT Efficiency	99.9%
Protection Class	IP65
Noise Emission (Typical)	<30dB
Operational Temperature	-20°C - 60°C with derating at 50°C
Relative Humidity	0 ~ 100%
Altitude	4000m (derating above 2000m)
Inverter Topology	Transformerless
Self-Consumption	<5W

FEATURES

Display LCD	LED & APP
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INTERFACE

Communication	BMS: RS485 Meter - Meter: RS485 Portal - WiFi (USB) or LAN
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CERTIFICATES AND APPROVALS

UKCA, CE, G100, G99,
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