



Convert your solar panel output into usable energy for the home with the GivEnergy string inverter.

The string inverter will take the DC energy from your full solar array to a single source and convert it into usable AC for your home. When paired with a GivEnergy battery storage system, you'll also be able to save any excess generation and power your home on solar all day long.

Plus, with a max input current of 17A per string, and a max output power of 5kW – this string inverter is tough enough to supply the average home with ease.



### Globally recognised branded componentry

End-to-end ownership of our manufacturing ensures unparalleled performance capability.



### Remote update and control

Manage and monitor your home energy with the GivEnergy cloud portal and mobile app. Plus, over-the-air firmware updates keep your tech running smoothly.



### In-built WiFi and LAN

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



### 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 5.0 Gen 3

## INPUT DATA (PV)

Start-up Voltage	80V
Max. PV Voltage	600V
MPPT Range	90V-550V
Nominal Voltage	360V
Max. Short Circuit Current	2*23A
Max. Input Current (per string)	17A/17A
MPPT Tracker / No. of Strings per MPPT Tracker	2/1

## OUTPUT DATA (AC)

Nominal AC Output Power	5000W
Max. Apparent Power Output to Utility Grid	5000VA
Max. Output Current	21.7A
Nominal Voltage / Range	230VAC
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 Overcurrent Protection	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	32Kg
Charge / Discharge Efficiency	96% / 96%
PV Max. Efficiency	97.6%
Euro Efficiency	97%
MPPT Efficiency	99.9%
Protection Class	IP65
Noise Emission (Typical)	55dB
Operational Temperature	-25°C - 60°C
Relative Humidity	0 ~ 100%, non condensing
Altitude	4000m (derating above 2000m)
Inverter Topology	Transformerless
Self-Consumption	<15W
SKU	GIV-PV-5.0-G3

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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