3 Phase Hybrid Inverter

10000W

The 3 phase GivEnergy Hybrid Inverter is a battery inverter and solar inverter in one unit, meaning that the battery is AC and DC coupled.

It can be coupled directly with solar panels to generate usable electricity in the property, as well as store any excess energy in the battery for later use. It features easy plug and play installation and on / off grid phase balancing. Additionally , it will minimise import by discharging to meet demand in the property with a discharge rate of up to 10kW.

In-built WiFi

Includes in-built WiFi network connection.

Higher Charge/Discharge Rate

Increased efficiency, higher discharge rates of up to 10kW.

Flexible Rate Tariff

Change from the grid at off-peak times when energy is cheaper, and discharge at peak times when energy is more expensive.

12 Year Warranty

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

INPUT DATA (PV)

Max. DC Input Power	15000W
Start-up Voltage	200V
Max PV Voltage	1000V
MPPT Range	200V - 850V
Nominal Voltage	600V
Max. Short Current (per string)	20A
Max. Input Current (per string)	15A
MPPT Tracker / No. of Strings per MPPT Tracker	2/1

OUTPUT DATA (AC)

Nominal AC Output Power	10000W
Max. Apparent Power Output to Utility Grid	11000VA
Max. Output Current	16.5A
Nominal Voltage / Range	400/380VAC, 3W/N/PE
Frequency Range	50 / 60 Hz
Power Factor (Full Load)	>0.99
Power Factor Range	0.8 Lagging... 0.8 Leading
THDI (Nominal Power)	<3%
AC Connection	Three Phase

BATTERY

Battery Type	$LiFePO_4$
Battery Voltage Range	200VDC ~ 600VDC
Nominal Voltage	450VDC
Charge / Discharge Current	25A / 25A
Max. Charge / Discharge Power	10000W / 10000W
Communication Interface	CAN

BACKUP TERMINAL PARAMETER (AC)

Nominal AC Output Power	10000W
Nominal Voltage	400 / 380VAC
Max. Output Current	16.5A
Nominal Frequency	50 / 60 Hz
Automatic Switch Time	<20ms
THDv (Linear Load)	<3%

GENERAL DATA

Dimensions	658H x 214D x 480W (mm)
Weight	35Kg
Charge / Discharge Efficiency	97.6% / 96%
PV Max. Efficiency	97.9%
Euro Efficiency	97%
MPPT Efficiency	99.9%
Protection Class	IP65
Noise Emission (Typical)	<30dB
Operational Temperature	-25°C - 60°C (derating at 50°C
Relative Humidity	0 ~ 100%
Altitude	4000m (derating above 2000m)
Inverter Topology	Transformerless
Self-Consumption	<15W

FEATURES

Display LCD	LED & APP

INTERFACE

Communication	BMS: CAN Meter: RS485 Portal - WiFi (USB)

CERTIFICATES AND APPROVALS

CE,
UKCA
IEC 62109-1&2,
EN50549,
G98,
G98/NI,
G100,
CEI 0-21,
VDE 0124, N4105

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