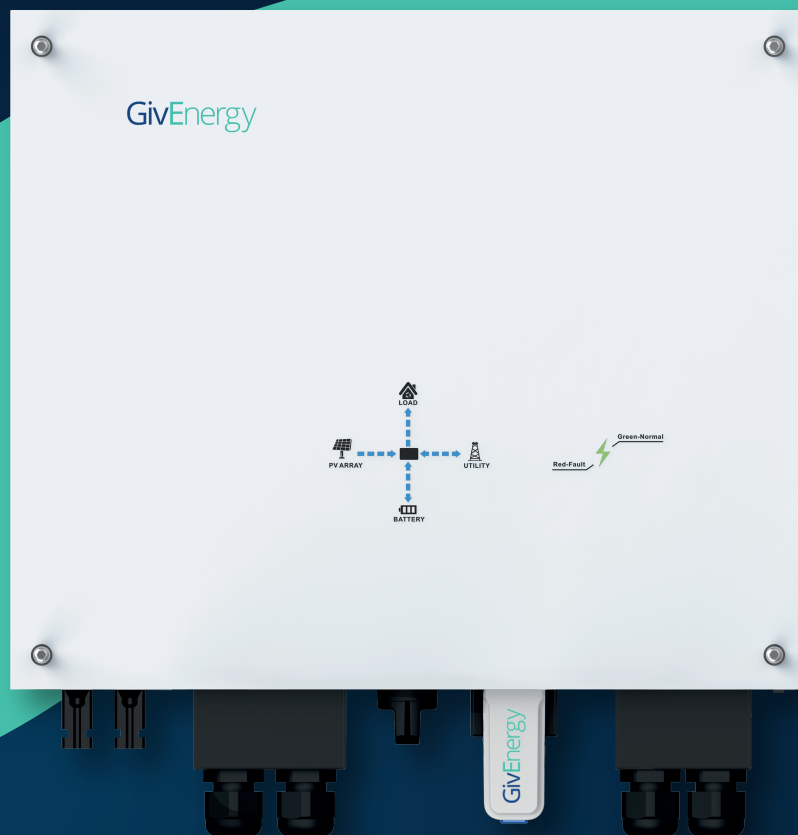


GivEnergy[®]

Hybrid Inverter



Advanced Online Monitoring



Wi-Fi or 3G connectivity



Suitable for new
solar installations



Brackets and fixings
included



3.6kW and 5kW variants



Built in back up terminals for
essential circuits



Dual MPPT



Flexible rate tariff compatible



IP65 for multiple siting options



Low maintenance design



<https://www.givenenergy.co.uk>



Hybrid Inverter

Input Data (DC)

Max Dc Power
Max DC Voltage
Start Voltage
DC Nominal Voltage
PV Voltage Range
MPPT Voltage Range
Max Input Current Per String
Number Of Independent MPPT Input

Giv-HY 3.6

4500W

580V DC
140V DC V_{OC} - 120V DC V_{mpp}
360V
100V - 600V
120V - 550V
11A/11A
2

Giv-HY 5.0

6500W

Output Data (AC)

Nominal AC Output Power
Max AC Apparent Power
Max Output Current
AC Range
AC Grid Frequency;Range
Power Factor At Rated Power
Power Factor
THDI
AC Connection

3680W
3680VA
16.4A

180V- 280V AC
50Hz; ± 5 Hz

1
0.9 Leading...0.9 Lagging
<3%

5000W
5000VA
21.7A

Single Phase (Multiple Units Can Be Installed For 3 Phase)

Battery Power

Nominal Power
Max Charging/Discharging Current

2600W
50A / 50A

Backup Output

Max Power Output (Battery + Solar)
Max Power Output From Battery
Output Frequency
Output Voltage

3600W
2600W
50Hz
230V

5000W
2600W
50Hz
230V

Protection Devices

DC Reverse Polarity Protection
DC Switch Rating For Each MPPT
Output Over Current Protection
Output Overvoltage Protection-Varistor
Ground Fault Monitoring
Grid Monitoring
Max Inrush Current
Max Output Fault Current
Max Output Overcurrent Protection
Earth Leakage Current Monitoring

Yes
Yes
Yes
Yes
Yes
Yes
30A Peak
40A Peak
25A RMS
Yes

General Data

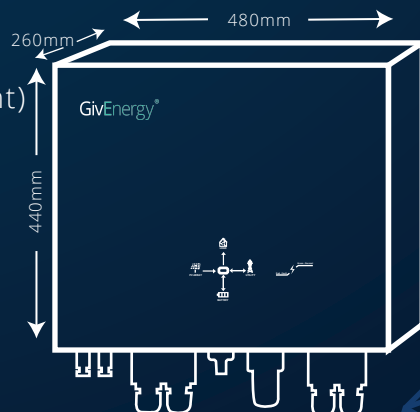
Weight
Operating Temperature Range
Consumption: Operating (Standby) / Night
Topology
Cooling Concept
Environmental Protection Rating

24KG
-25°C>55°C (Ambient)
<5W / < 0.5W
Transformerless
Natural
IP65

Features

Pv Connection
Battery Connection
AC Connection
Display
Interfaces: WI-FI/USB/GPRS/RS485/4G
Warranty: 5 Years/10 Years

H4 / MC4
Screw Terminal
Screw Terminal
LED
Opt/Yes/Opt/Yes/Opt
Yes / Opt



Certificates And Approvals

TÜV CE, TÜV 62109-1&2, TÜV VDE 0126-1-1, TÜV AS4777&AS/NZS 3100, EN50438, SAA, TÜVG98/1-4:2019, G98, G99, G100