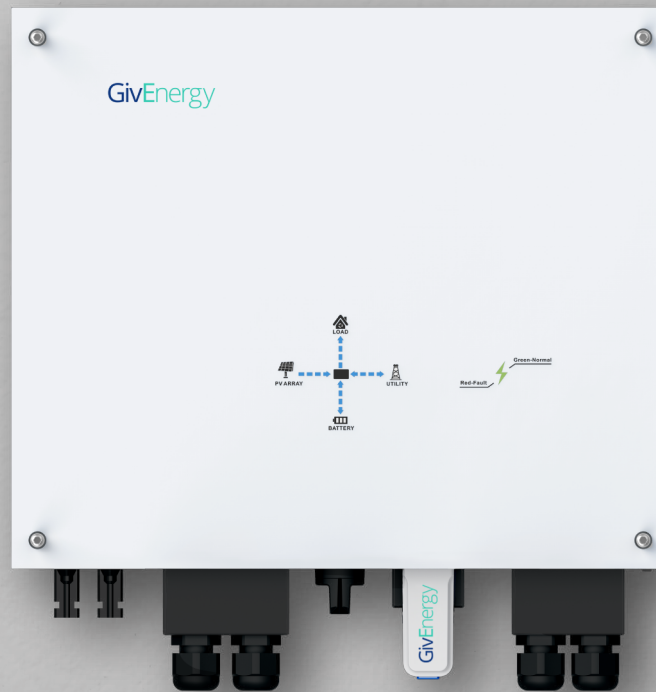


# Hybrid Inverter



## Remote Firmware

Control and monitor your Smart System on the move via our GivEnergy Monitoring App and Portal.



## Flexible Rate Tariff

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



## 5 Year Warranty

Supplied with a full manufacturers warranty, extendable to 10 years, our UK team are on hand to help you should any issues arise.



## New Solar Installations

Replace your old storage system with a brand new Smart System and gain the benefits of renewable energy.

## The GivEnergy Hybrid Inverter is a battery inverter and solar inverter in one unit.

It can be coupled directly with solar panels to generate usable electricity in the property, as well as storing 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.

Dimensions (HxDxW)  
**440 x 260 x 480 (mm)**

Weight  
**24 Kg**

Connectivity  
**WiFi or 4G Connectivity**

Variants  
**3.6kW and 5kW**

MODEL	Giv-HY 3.6	Giv-HY 5.0
Input Data (DC)		
Max DC Power	4500W	6500W
Max DC Voltage	58DV DC	
Start Voltage	140V DC VOC - 12DV DC Vmpp	
DC Nominal Voltage	36DV	
PV Nominal Voltage	100V - 600V	
MPPT Voltage Range	120V - 550V	
Max Input Current per String	11A	
Number of Independent MPPT Input	2	
Output Data (AC)	Giv-HY 3.6	Giv-HY 5.0
Nominal AC Output Power	3680W	5000W
Max AC Apparent Power	3680VA	5000VA
Max Output Current	16.4A	21.7A
AC Range	180V - 280V AC	
AC Grid Frequency Range	50 Hz; +5 Hz	
Power Factor at Rated Power	1	
Power Factor	0.9 Leading... 0.9 Lagging	
THDI	<3%	
AC Connection	Single Phase (multiple units can be installed for 3 phase)	
Battery Power	Giv-HY 3.6	Giv-HY 5.0
Nominal Power	2600W	
Max Charging / Discharging Current	50A / 50A	
Backup Output	Giv-HY 3.6	Giv-HY 5.0
Max Power Output (Battery + Solar)	3600W	5000W
Max Power Output from Battery	2600W	2600W
Output Frequency	50 Hz	50 Hz
Output Voltage	230V	230V
Protection Devices	Giv-HY 3.6	Giv-HY 5.0
DC Reverse Polarity Protection	Yes	
DC Switch Rating for each MPPT	Yes	
Output Over Current 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	
General Data	Giv-HY 3.6	Giv-HY 5.0
Weight	24 Kg	
Operating Temperature Range	-25°C > 55°C (Ambient)	
Consumption Operating (Standby) / Night	<5W / <0.5W	
Topology	Transformerless	
Cooling Concept	Natural	
Environmental Protection Rating	IP65	
Features	Giv-HY 3.6	Giv-HY 5.0
PV Connection	H4 / MC4	
Battery Connection	Screw Terminal	
AC Connection	Screw Terminal	
Display	LED	
Interfaces: WiFi / USB / GPRS / RS485 / 4G	Opt / Yes / Opt / Yes / Opt	
Warranty: 5 Years / 10 Years	Yes / Opt	
Certificates and Approvals	Giv-HY 3.6	Giv-HY 5.0
TÜV CE,TÜV IEC 62109-1&2, TÜV VDE 0126-1-1, TÜV AS4777&AS/NZS 3100, EN50549, SAA, G98, G99, G100		