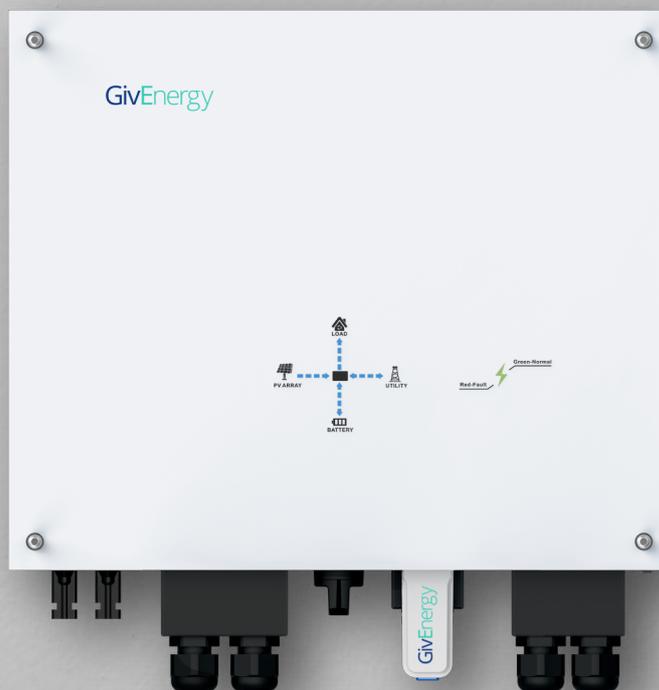


Hybrid Inverter



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		580V
Start Voltage	140V VOC (120V MPP)	
DC Nominal Voltage	360V	
PV Nominal Voltage	100V - 580V	
MPPT Voltage Range	120V - 550V	
Max Input Current per String	11A	
Number of Independent MPPT Input	2	
Output Data (AC)		
Nominal AC Output Power	3680W	5000W
Max AC Apparent Power	3680VA	5000VA
Max Output Current	16.4A	21.7A
AC Range	180V - 280V	
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		
Nominal Power		2600W
Max Charging / Discharging Current		50A / 50A
Backup Output		
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		
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		
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		
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		