

# GivEnergy®

## Technical Parameters



### Model Specification

GIV-HY5.0

### Input Data DC

Max DC Power	6.5kWp
Max DC Voltage	580V
Startup Voltage	120V
Shutdown Voltage	100V
DC Nominal Voltage	360V
PV Voltage Range	100V-580V
MPPT Voltage Range	120V-550V
Maximum Input Current Per String	11A/11A
Number of MPPT's	2
Feedback Current to Array	0A

### Output Data DC

Nominal AC Output	5000W
Max AC Apparent Power	5000VA
Max Output Current	22.8A
Nominal Voltage	230V AC
Voltage Range	180V-280V
Nominal Frequency	50,60Hz; $\pm 5$ Hz
Power Factor at Rated Power	1
Power Factor	0.9 Leading - 0.9 Lagging
THDi	<3%
AC Connection	Single phase Terminal Connection

### Emergency Backup Power AC

Max Power Output (Battery + Solar)	5000W
Max Power Output from Battery	2600W
Output Voltage	230V
Output Frequency	50Hz

### Battery

Battery Type	LiFePO4
Max Charge/Discharge Power	2600W
Maximum Charge/Discharge Current	50A
Operating Voltage Range	43.2 - 58.5V DC
Operating Temperature Range	(20) - (+55) Degrees Celsius
IP Rating	IP65

### General Data

Dimensions W/H/D	481 x 440 x 260
Weight	32Kg
Operating Temperature range	-25°C>55°C (Ambient)
Noise Emission	<6 dB (After FW Update)
Consumption Standby	<5W
Topology	Transformerless
Cooling Concept	Natural Convection