



The GivEnergy AC Coupled Inverter works as a standalone energy storage system or alongside solar, hydro, or wind-turbine to store excess energy.

Make the most of a split rate energy tariff (e.g. Economy 7) by charging the battery at off-peak times when energy rates are cheaper and discharging during the more expensive periods to reduce your overall energy bill.



Remote Firmware

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



New Generation Installs

Connect battery to charge from any source of grid tied renewable generation.



Retrofit Compatible

Add the battery to an existing Solar PV System without affecting the Government Incentive.



Flexible Rate Tariff

Charge the battery off-peak when it's cleaner, greener and less costly then discharge the battery during peak times for maximum saving.



12 Year Warranty

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



Standalone Battery System

A standalone battery can be used without the need for Solar Panels.

AC Coupled Inverter

INPUT DATA (AC)

| | |
|-----------------------------|---|
| Nominal AC Output Power | 3000W |
| Max. AC Apparent Power | 3200VA |
| Max. Output Current | 13A |
| AC Nominal Voltage; Range | 202V - 262V |
| AC Grid Frequency; Range | 50±5Hz |
| Power Factor at Rated Power | 1 |
| Power Factor | 0.9 Leading...0.9 Lagging |
| THDI | <3% |
| AC Connection | Single Phase (multiples units can be installed for 3 phase) |

BATTERY

| | |
|-------------------------------------|---------------------|
| Nominal AC Output Power | 3000W |
| Max. Charging / Discharging Current | 60A / 60A |
| Max. Charge / Discharge Rate | 3000W / 3000W |
| Battery Voltage Range | 45V - 58V |
| Battery Type | LiFePO ₄ |

BACKUP OUTPUT

| | |
|-------------------------|------|
| AC Voltage | 230V |
| AC Grid Frequency Range | 50Hz |

GENERAL DATA

| | |
|-----------------------------------|--|
| Dimensions | 223D x 260H x 480W (mm) |
| Weight | 22.4Kg |
| Charge / Discharge Efficiency | 97.1% |
| Euro Efficiency | 96.5% |
| Protection Class | IP65 |
| Noise Emission (Normal Operation) | <30dB |
| Operating Temperature Range | -25°C to 60°C with derating above 45°C |
| Relative Humidity | 0 ~ 100% |
| Altitude | 4000m (derating above 2000m) |
| Inverter Topology | Transformerless |

FEATURES

| | |
|--|-----------------------------|
| PV Monitoring | CT / Meter |
| Grid Monitoring | Meter |
| Battery Connection | Screw Terminal |
| AC Connection | Screw Terminal |
| Display | LED |
| Interfaces: WiFi / USB / GPRS / RS485 / 4G | Opt / Yes / Opt / Yes / Opt |
| Warranty | 12 Years |

CERTIFICATES AND APPROVALS

AS4777,
VDE-AR-N4105,
VDE0126,
G98,
IEC2109-1/IEC62109-2
IEC62040,
EN61000-6-2,
EN61000-6-3,
EN50549,
G100



Hermans Technipower