



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 where its cleaner, greener and less costly then discharge the battery during peak times for maximum saving.



### 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.



### 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 <sub>4</sub>

## 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: 5 Years / 10 Years	Yes / Opt

## CERTIFICATES AND APPROVALS

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

