



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 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	7.5kWp
Max. AC Apparent Power	150V
Max. Output Current	580V
AC Nominal Voltage Range	120V - 550V
AC Grid Frequency Range	360V
Power Factor at Rated Power	20A
Power Factor	15A
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
Operational Temperature	-20°C - 60°C with derating above 45°C
Relative Humidity	0 ~ 100%
Altitude	4000m (derating above 2000m)
Inverter Topology	Transformerless

AC Coupled Inverter

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
