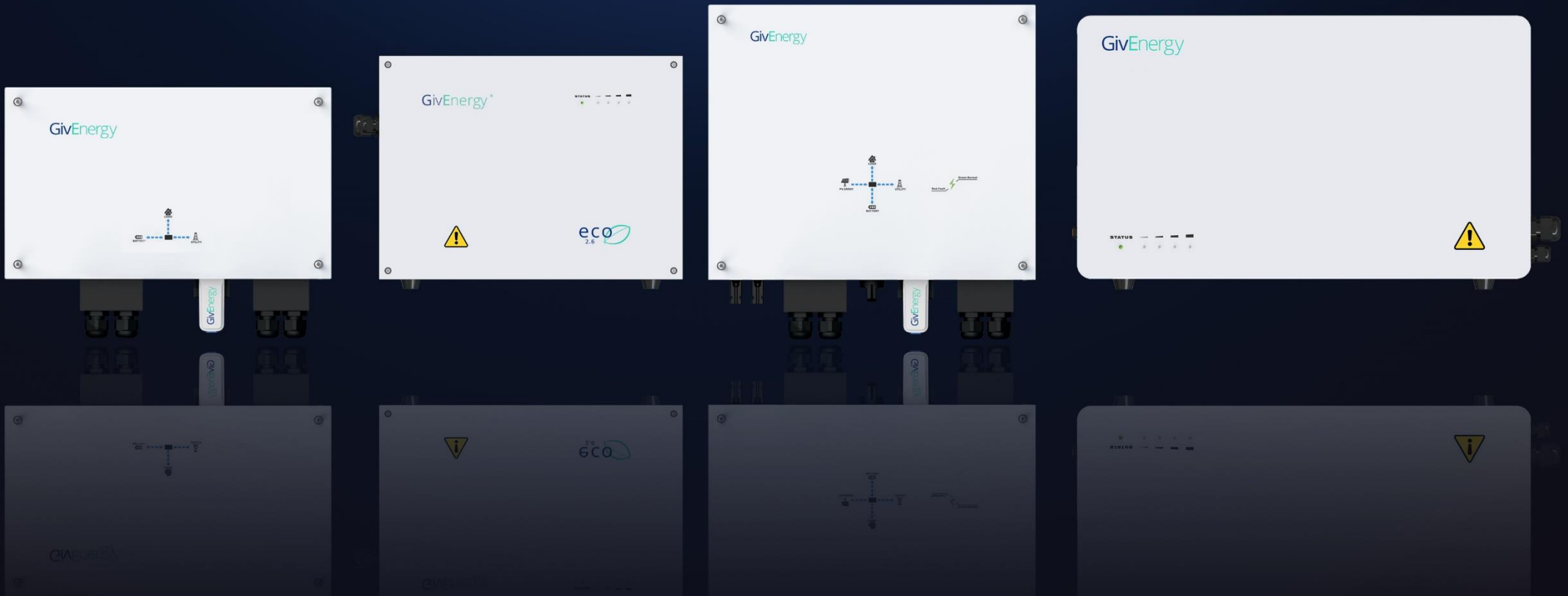


GivEnergy®

Home Energy Storage Systems

IVOLTZ
•com



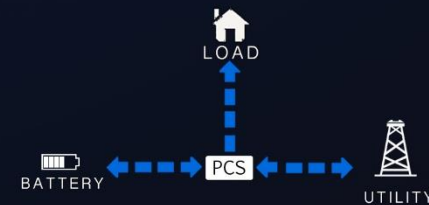
AC Coupled

Giv-AC3.0

- ◆ Installed to new builds or retrofitted to an existing solar pv system
- ◆ Charge the batteries directly from Solar PV by measuring the existing PV system via a CT
- ◆ Batteries can be charged directly from the Grid
- ◆ Remote software updating via Wi-Fi dongle
- ◆ Monitor your usage and generation through Web and APP interface
- ◆ Designed to be Lightweight and compact and to maximise self-consumption and minimise imported electricity
- ◆ Monitoring home usage with Integrated smart metering for an accurate reading



Dimensions (W/H/D) 480*290*260mm
Weight 19kg



Specification

AC Coupled
Giv-AC3.0

Output Data (AC)

Nominal AC output power	3000W
Max AC apparent power	3000VA
Max output current	15A
AC nominal voltage; range	220V/230V/240V;180Vac-280Vac
AC grid frequency; range	50,60Hz;±5 Hz
Power factor at rate power	1
Power factor	0.9 leading...0.9 lagging
THDi	<3%
AC connection	Single phase(can be linked for three phase)

Battery

Battery type	LiFePO ₄
Nominal Power	3000W
Norminal voltage	51.2V
Max discharging /charging power	3000W
Charging curve	3-stage adaptive with maintenance
Operating voltage range	46.4-57.6V
Max charging/discharging current	60A / 60A

Backup Output

Output rated power	3000VA
Peak power	3600VA,10s
Output voltage	230Vac ±2%, 50Hz (60Hz Optional) ±0.2%,THDV<3% (linear load)

Efficiency

Max efficiency	97.10%
Euro-ETA	96.5%



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
Integrated all pole sensitive leakage current monitoring unit	Yes

General Data

Dimensions (W / H / D)	480*290*260mm
Weight	19kg
Operating temperature range	-25°C to 60°C (-13°F to 140°F) With derating above 45°C
Noise emission (typical)	≤ 25 dB(A)
Altitude	Up to 2000m(6560ft)Without power derating
Relative humidity	95%
Consumption: operating (standby) / night	<5W / < 0.5 W
Topology	Transformerless
Cooling concept	Natural
Environmental Protection Rating	IP65

Features

PV connection	No
Battery connection	Screw terminal
AC connection	Screw terminal
Display	LED
Interfaces:Wi-Fi/USB/GPRS/RS485/4G	Opt/Yes/Opt/Yes/Yes
Warranty	5 years / 10 years (Optional)/15years (Optional)

Certificates

AS 4777, VDE-AR-N4105, VDE0126, G83, G98, IEC62109-1-2, IEC62040, EN61000-6-2, EN61000-6-3,EN50438

Specification

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