

# All in One

AC Coupled | 13.5kWh

GIV-AIO-AC-13.5

GIV-AIO-AC-13.5-3.6

GIV-AIO-AC-13.5-4.6

GIV-AIO-AC-13.5-5.0



Primarily working as an on-grid system, the All-in-One can deliver 7.2kW of peak power into the home on top of any solar generation.

Complete with a substantial 13.5kWh useable battery pack that stores excess generation. Featuring a modular design with 4 removable battery packs, allowing for ease of handling and installation.



## Grid Services Ready

Some energy suppliers and aggregators are offering payments for end users that can reduce their electrical consumption at certain times.



## Whole House Backup

When used with our Gateway, in the event of a grid failure, the system will continue to provide power into the home. This allows operation off-grid until grid supply is restored.



## Flexible Rate Tariff

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



## Modular Design

Need a larger capacity? Modular design allows for multiple units to be installed in parallel.

MODEL	GIV-AIO-AC-13.5-3.6	GIV-AIO-AC-13.5-4.6	GIV-AIO-AC-13.5-5.0	GIV-AIO-AC-13.5
<b>OUTPUT AC</b>				
Nominal AC Power	3600W	4600W	5000W	6000W
Rated Apparent Power	3600VA	4600VA	5000VA	6000VA
Peak power (10s, off-grid)	4300VA (10s)	5500VA (10s)	6000VA (10s)	7200VA (10s)
Rated Grid Voltage (AC Voltage Range)	230VAC (180VAC to 270VAC)			
Rated Grid Frequency	50/60Hz±5Hz			
Nominal AC Current	16A	20A	21.7A	26A
Maximum AC Current	16A	20A	21.7A	26A
Power Factor Range	0.8 Leading to 0.8 Lagging			
Active Anti-islanding Method	Reactive power disturbance			
Inverter Max. Efficiency	96.5%			
Number of Parallel Operation	1 (up to 6 in late 2024)			
THDi (Rated Power)	<3%			
<b>BATTERY</b>				
Battery Voltage Range	260-346V			
Maximum Charge/ Discharge Current	25A			
Nominal Voltage	307.2V			
Communication Interfaces	CAN			
Battery Capacity	13.5kWh			
Depth of Discharge	100%			
Battery Type	LiFePO4 Prismatic Cell			
<b>ENVIRONMENT</b>				
Ingress Protection	IP65			
Inverter Topology	Non-isolated			
Over Voltage Category	DC II ; AC III			
Protective Class	Class I			
Operating Temperature Range	-20°C ~ +50°C			
Humidity	0~100%			
Maximum Altitude	4000m (Derating above 2000m)			
Noise Emission (Typical)	<30dB			
<b>GENERAL DATA</b>				
Dimensions (H x W x D)	1150x600x280(mm)			
Weight	195Kg			
Display	LED and APP			
Cooling Concept	Natural			
Topology	Transformerless			
Interfaces	WIFI/ USB/ RS485(Yes) LoRa/4G(Opt)			
Connectivity	WiFi, LAN and 4G			
Warranty	10 Years			
Country of Manufacture	China			
<b>Certificates and Approvals</b>				
IEC62619, IEC62040, IEC62477, IEC62109-1, IEC62109-2, AS/NZS4777.2:2020+A1, EN IEC 61000-6-3, EN IEC 61000-6-1				



By purchasing the additional Giv-Gateway, the All in One can provide whole house backup in the event of a grid failure.

The Giv-Gateway provides seamless switching between grid and battery ensuring that your property is always powered. The Giv-Gateway also facilitates a connection point for your solar PV system by allowing it to continue to generate energy even without a grid supply.



#### In-built connection points

Designed to work seamlessly with your clean energy ecosystem, with in-built connection points for your solar array and EV charger.



#### Pre-installed Energy Meter

Quicker and simpler system installation, which reduces the number of individual mounted components needed.



#### 20ms Switchover Time

In the event of a grid failure, the system will continue to provide power into the home. This allows operation off-grid until grid supply is restored.



#### Built-in LoRa (optional)

Uses radio frequency to transmit the grid meter data back to the inverter, which allows the system to be installed remotely without a cable.

## Giv-Gateway GIV-AIO-GW1

### Whole Home Backup

#### AIO INPUT DATA(AC)

Rated voltage	230Va.c.
Rated current	26Aa.c.
Frequency	50/60Hz

#### AIO PARALLEL INPUT DATA (AC)

Rated voltage	230Va.c.
Rated current	130Aa.c.
Frequency	50/60Hz

#### PV INVERTER INPUT DATA (AC)

Rated voltage	230Va.c.
Rated voltage	21.7Aa.c.
Frequency	50/60Hz

#### EV CHARGER OUTPUT DATA(AC)

Rated voltage	230Va.c.
Rated current	32Aa.c.
Frequency	50/60Hz
Rated power	7200W
Power factor range	>0.99

#### LOAD OUTPUT DATA(AC)

Rated voltage	230Va.c.
Rated current	80Aa.c.
Frequency	50/60Hz
Rated power	18400W
Power factor range	>0.99

## GRID OUTPUT DATA(AC)

Rated voltage	230Va.c.
Rated current	80Aa.c.
Frequency	50/60Hz
Rated power	18400W
Power factor range	>0.99

## GENERAL DATA

Protective Class	Class I
Ingress Protection	IP65
Cooling Concept	Natural
Operating Temperature Range	-20~+50 C
Relative Humidity	0~ 100%
Dimensions (HxWxD)	410x365x216(mm)
Weight	12.75kg
Display	LED and APP
Communication	RS485/CAN/LoRa (optional)
Connectivity	WiFi, LAN and 4G
Warranty	10 years

## CERTIFICATES AND APPROVALS

IEC 62109-1, IEC 61000-6-1, EC 61000-6-3, AS/NZS4777.2:2020+A1