

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
OUTPUT AC				
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%			
BATTERY				
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			
ENVIRONMENT				
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			
GENERAL DATA				
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			
Certificates and Approvals				
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