

GivEnergy

Humber Collection

Australia



Smart, Scalable Energy Solutions for Current and Future Needs

Australia’s energy landscape demands robust, high-capacity solutions to combat rising electricity costs, grid instability, and extreme weather events. The **Humber Collection** combines GivEnergy’s cutting-edge three-phase hybrid inverters and high-voltage stackable batteries to deliver energy independence, cost savings, and resilience for homes and businesses.



Humber
Plus

Humber
Max

Bundle	Inverter Output	Off-Grid Capability	Battery Storage	Ideal For
Humber Three-Phase Plus	8kW AC	8.8kVA	10.2kWh Stackable	Homes & small businesses with moderate loads
Humber Three-Phase Max	11kW AC	11kVA	20.4kWh Stackable	High-demand homes & SMEs



Key Features

High-Efficiency Hybrid Inverter

- AC & DC coupled: Directly connect solar panels and batteries for optimal energy use.
- Dual MPPT trackers for optimized solar generation with up to 15kW PV input capacity.
- Up to 11kW discharge rate: Seamlessly power large appliances or business operations.
- Automatic UPS failover: <20ms switchover keeps critical loads running during outages.
- In-built WiFi: Real-time monitoring and control via app or web portal

Modular Stackable Battery Storage

- Expandable from 10.2kWh to 20.4kWh: Adapt as your energy needs grow.
- High-voltage LiFePO₄ cells: Long life, high safety, and 10-year warranty.
- Modular design allows future expansion without additional electrical rework.
- IP65-rated: Durable for both indoor and outdoor Australian conditions.

Smart Energy Management

- Flexible tariff integration: Charge batteries during off-peak, discharge during peak for maximum savings.
- Remote diagnostics & firmware updates: Hassle-free maintenance and peace of mind


Energy Independence Platform

- Smart grid integration enables charging during off-peak hours to reduce costs.
- Real-time energy management via the GivEnergy App or Web Portal.
- Remote diagnostics and firmware updates for seamless operation.

Energy Backup Performance

Model	LED Lights	Refrigerator	Washer Cycles
Plus	36 hours	68 hours	6 cycles
Max	72 hours	138 hours	13 cycles

Usage estimates serve as a guide and are based on typical appliance consumption. Actual performance may vary depending on specific appliance models, usage habits, and environmental conditions.



“GivEnergy’s products have exceeded our expectations! Its high capacity and seamless backup power keep our home running smoothly even during outages.”

— Lisa M., Homeowner

Why Choose the Humber Collection?



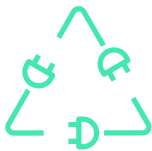
Future-Proof

Modular design supports future expansion-no need for costly rewiring.



High Efficiency

Advanced solar conversion technology ensures maximum utilization of renewable energy.



Reliable Backup Power

Seamless switchover during outages keeps essential appliances running without interruption.



Cost Savings

Reduce energy bills by up to 85% with AI-driven optimisation and smart grid integration.



Durable & Flexible Installation

IP65-rated for indoor/outdoor use; compact design fits tight spaces.

Technical Specifications

Hybrid Inverter Models

Parameter	Three-Phase Plus	Three-Phase Max
Nominal AC Output	8kW	11kW
Off-Grid Output	8.8kVA	11kVA
PV Input Capacity	Up to 12kW	Up to 15kW
Efficiency	PV: 97.6%, Battery: 97.5%	PV: 97.6%, Battery: 97.5%
Backup Switchover Time	<20ms	<20ms
Protection Class	IP65	IP65

Battery Storage Options

Parameter	Humber Plus	Humber Max
Usable Capacity	10.2kWh	20.4kWh
Battery Voltage Range	120–510V	120–510V
Depth of Discharge (DOD)	85%	85%
Enclosure Protection	IP65	IP65
Charging/Discharging Temperature	-10°C to +55°C	-10°C to +55°C

Ideal Applications

- Homes seeking reliable energy storage with solar integration.
- Small businesses requiring uninterrupted power supply during outages.
- Properties looking to reduce energy costs through smart grid optimization.

What is in the box

- Hybrid Inverter
- High Voltage Battery
- Wall Mounting Bracket
- 2x Bolt to Secure Inverter to Mounting Bracket
- 5x Mounting Bracket Fixings
- Base Plate
- HV Box
- Cable Inverter to HV Box
- Template / Position Part
- 2 x Wall Bolts
- 2 x M6 Screws
- Plug to Plug Cable with Grommet
- 3 x Battery
- Giv-Bat HV Kit
- 2 x Screws

Humber Collection —Powering Australia's Energy Independence.

All technical data and feature claims are based on manufacturer datasheets and are compliant with Australian electrical standards.

“It is a fantastic solution for small businesses like ours. The modular battery design means we can expand storage as our needs grow.”

— David S., Small Business Owner

Contact Us

For more information about the Humber Collection or to schedule an installation consultation, reach out to our team today!

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