



Enphase AC Battery



The **Enphase AC Battery™** is **simple** to install, **safe**, very **reliable**, and provides the lowest lifetime energy cost for both new solar customers and retrofit customers. In addition, as an installer, you can design the right system size to meet the needs of the homeowner.



Simpler

- Quick and easy single person installation
- Plug and play installation
- Interconnects with standard household AC wiring

Safer

- No high voltage DC in system
- Cells safety-tested and certified by TÜV Rheinland
- Prismatic cells are highly stable over time

Greater Reliability

- Lithium iron phosphate (LFP) chemistry for long cycle life
- 10-year warranty
- Modular design promotes redundancy

ENPHASE STORAGE SYSTEM



MODEL NUMBER	
B270-1200-LN-I-AU00-RV0 (with integrated S270-ACB-LN-YY Enphase Microinverter)	
ACCESSORIES (Order Separately)	DIMENSIONS
Enphase Wall Mount Bracket (BWM-450MM-A)	487 mm (W) x 311 mm (H) allowing 450mm battery-battery spacing
Enphase Wall Mount Bracket (BWM-600MM-A)	647 mm (W) x 311 mm (H) allowing 600mm battery-battery spacing
OUTPUT DATA (AC)	@ 230 VAC
Peak output power	270 VA
Rated (continuous) output power	260 VA
Nominal frequency	50 Hz
Extended line to neutral voltage range	184 to 276 VAC
Extended frequency range	45 to 55 Hz
Power factor	0.7 leading to 0.7 lagging
Maximum units per 20 A branch circuit	13
Peak inverter efficiency	96.9%
BATTERY CHEMISTRY	
Capacity	1.2 kWh
Depth of discharge (usable capacity)	>95%
Ambient operating temperature range	-20°C to 45°C
Chemistry	Lithium Iron Phosphate (LFP)
Cell safety certifications	TUV Rheinland, UL
Roundtrip cell efficiency ¹	96%
MECHANICAL DATA	
Dimensions	390 mm (W) x 325 mm (H) x 220 mm (D) (without bracket)
Weight	25 kg
Installation	Wall mounted in an indoor, unoccupied space using standard AC wiring in conduit or in wall, where allowed.
Enclosure	Indoor – IP20
Cooling	Natural convection – No active or passive cooling infrastructure required
Grid configuration	TN-C-S
FEATURES AND COMPLIANCE	
Compatibility	Compatible with grid-tied PV systems using the Enphase Envoy-S™ Metered gateway
Communication	Power Line Communication (PLC), TCP/IP through Envoy-S
Services	Maximising self-consumption of solar, time-of-use bill management, power export limiting ²
Monitoring	Enlighten Manager and MyEnlighten monitoring options
Compliance	AS/NZS 4777.2:2005, AS/NZS 4777.2:2015 AS/NZS CISPR 22, AS/NZS 62040.1.1, UN 38.3
LIMITED WARRANTY	
Limited Warranty ³	>80% capacity, up to 10 years or 7300 cycles

1. At 25°C.

2. Optional. Requires Enphase S-Series Microinverters™ to implement.

3. Whichever occurs first. Restrictions apply.



Enphase Envoy-S Metered +DRM



The **Enphase Envoy-S Metered™** communications gateway delivers solar production and energy consumption data to Enphase Enlighten™ monitoring and analysis software for comprehensive, remote maintenance and management of the Enphase System.

With production metering and consumption monitoring on up to three phases, Envoy-S is the platform for total energy management and integrates with the Enphase AC Battery™.



Smart

- Enables web-based monitoring and control
- Bidirectional communications for remote upgrades
- Power export limiting and phase imbalance management*
- AS/NZS 4777.2:2105 DRM (Demand Response Mode) ready*

Simple

- Easy system configuration using the Enphase Installer Toolkit™ mobile app
- Flexible networking with Wi-Fi, Ethernet, or mobile
- DIN rail mount

Reliable

- Designed for installation indoors or in an outdoor enclosure
- Five-year warranty

*When used with the Enphase S-Series Microinverter™ and/or Enphase AC Battery™.

ENPHASE STORAGE SYSTEM



MODEL NUMBER	
Envoy-S Metered + DRM ENV-S-WM-230	Enphase Envoy-S communications gateway with integrated PV and consumption metering. Includes two CTs (100A limit). Production and consumption meter: +/-1% accuracy.
ACCESSORIES (Order Separately)	
Current transformers (CTs) CT-100-SPLIT	Lead length 4 m, extendable to 213 m depending on wire type (see installation manual). WxHxD: 61 mm x 51 mm x 35 mm. Order extra CTs if monitoring multiple phases.
Enphase Mobile Connect™ CELLMODEM-02	Plug and play industrial grade mobile modem with five-year data plan for systems up to 60 microinverters. (Available where there is adequate mobile service in the installation area.)
Power line communications phase coupler LPC-01	Required for multiphase PV systems
POWER REQUIREMENTS	
Hardwired	230 VAC or 400Y/230 VAC, 50 Hz Max 20A over current protection required
CAPACITY	
Number of microinverters polled	Up to 600
MECHANICAL DATA	
Dimensions (WxHxD)	213 x 126 x 45 mm
Weight	0.5 kg
Ambient temperature range	-40° to 65° C -40° to 46° C if installed in an enclosure
Environmental rating	IP30. For installation indoors or in an IP54-rated (or better) enclosure.
Altitude	To 2000 meters
USB ports	Two USB 2.0 ports, auto-sensing, auto-negotiation
INTERNET CONNECTION OPTIONS	
Integrated Wi-Fi	802.11b/g/n (2.4 GHz, 5 GHz)
Ethernet	Optional, 802.3, Cat5E (or Cat 6) UTP Ethernet cable (not included)
Mobile	Optional, CELLMODEM-02 (not included)
COMPLIANCE	
Compliance	IEC/EN 61010-1:2010, EN50065-1, EN61000-4-5, EN61000-6-1, EN61000-6-2, C-Tick
ADVANCED FUNCTIONS ¹	
Power export limiting	Configurable for zero export when installed with S-Series microinverters
Phase imbalance management	Configurable for phase imbalance management when installed with S-Series microinverters
DRM	Terminal block connections for Demand Response Enabling Device (DRED)

1. Software upgrade may be required for advanced function support.

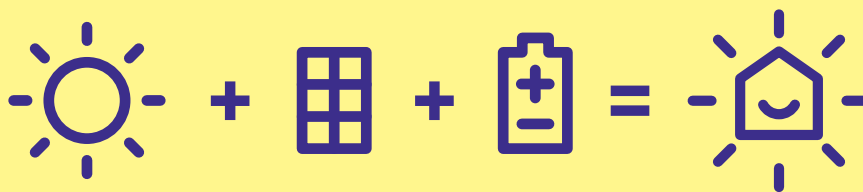


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Complaints & Resolutions

Any concerns, complaints or feedback can be lodged directly to Sunbank Solar to our Customer Care team via e-mail at support@mysunbank.com.au or via mail to Sunbank Solar 1/990 Whitehorse Road, Box Hill, Victoria 3128.

Any lodged or written complaints will be addressed within twenty one (21) days of received documentation.



Add Solar Batteries for a happier home