

The Enphase AC Battery is simple to install, safe very reliable

Enphase Storage System. A smart battery meets powerful software. Our high-performance energy storage solution brings more intelligence, better value than anything else. The industry's lowest cost of entry and best lifetime value. It pairs seamlessly with Enphase microinverters and other solar technologies to make the most of your energy.

The Enphase AC Battery shines brightest alongside the rest of the Enphase Home Energy Solution. A seamless integration of solar and storage, it combines microinverters, battery, and connected technology to empower you on a whole new level.



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

Technical Specifications



Enphase AC Battery

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 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

The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to on-going innovation, research and product enhancement, ers (energy rating systems) reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein. Caution: For professional use only. The installation and handling of PV modules requires professional skills and should only be performed by qualified professionals. Please read the safety and installation instructions before using the modules. © Copyright ers (energy rating systems) – April '17 - v1