

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

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MODEL NUMBER	
B270-1200-LN-I-EU00-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 (adjustable)	1.0 / 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)	100%
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
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	IEC 62109-1, IEC 62109-2, IEC 62133, G59/3, G83/2, VDE 0126-1-1, VDE-AR-N 4105
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.

To learn more about Enphase offerings, visit enphase.com/uk