This product is no longer sold by Enphase, though it may be offered by distributors or installers.

Enphase AC Battery

The Enphase AC Battery™ is **simple** to install, very **safe** and **reliable**, and provides the lowest lifetime energy cost for both new solar customers and retrofit customers. Modular and expandable, the AC Battery lets you size the system to meet the needs of every homeowner.



Simple

- Quick and easy single person installation
- Easily interconnects with standard household AC wiring

Safe

- No high voltage DC in system
- Lithium iron phosphate (LFP) chemistry
- Cells safety-tested and certified by TÜV Rheinland

Reliable

- Lithium iron phosphate (LFP) chemistry for long cycle life
- 10-year warranty
- No single point of failure

Modular

- No need to oversize the storage system
- Easily expandable
- Low cost of entry

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

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Enphase AC Battery

MODEL NUMBER	
IQ7-B1200-LN-I-INT01-RV0 (with integrated 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
Enphase Q Relay (Q-RELAY-1P-INT)	Required when the AC Battery is installed in France, Luxembourg, Switzerland or Germany. The connection of the ACB must be on the PV side of the Q Relay.
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)	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	23 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[2]
Services	Maximising self-consumption of solar, time-of-use bill management, power export limiting[3]
Monitoring	Enlighten Manager and MyEnlighten monitoring options
Safety of cells and battery pack	TUV Rheinland (IEC 62619)
Compliance	IEC 62109-1, IEC 62109-2, G98/1-3:2019 , G99/1-3:2018 , VDE 0126-1-1, VDE-AR-N 4105, UN38.3
LIMITED WARRANTY	
Limited Warranty[4]	80% capacity , up to 10 years or 3650 cycles

1. At 30°C.
2. Software version 4.10 or later.
3. Optional. Requires Enphase S/IQ-Series Microinverters™ to implement.
4. Whichever occurs first. Restrictions apply. Average annual internal temperature below 23° C.

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