

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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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 ²	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	
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 ³	
Monitoring	Enlighten Manager and MyEnlighten monitoring options	
Compliance	Certification Pending: IEC 62109-1, IEC 62109-2, IEC 62133, G59/3, G83/2	
LIMITED WARRANTY		
Limited Warranty ⁴	>80% capacity, up to 10 years or 7300 cycles	

1. At 25°C.

2. Mounting wall plate is 490/650mm wide, interleaved, allowing 450 mm to 600 mm battery-to-battery spacing.

3. Optional. requires Enphase S-Series Microinverters™ to implement.

4. Whichever occurs first. Restrictions apply.

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

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