

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)	@240 VAC
Peak output power	280 VA
Rated (continuous) output power	270 VA
Nominal frequency	60 Hz
Extended line to neutral voltage range	211 to 264 VAC
Extended frequency range	57 to 61 Hz
Power factor	0.7 leading to 0.7 lagging
Maximum units per 20 A branch circuit	13
CEC weighted efficiency	97.0%
Peak inverter efficiency	97.3%
BATTERY CHEMISTRY	
Capacity	1.2 kWh
Depth of discharge (usable capacity)	>95%
Ambient operating temperature range	-20°C to 45°C (-4°F to 113°F)
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) / 15.4" x 12.8" x 8.7" (without bracket)
Weight	25 kg (55 lbs)
Installation	Wall mounted in an indoor, unoccupied space using standard AC wiring in conduit or in wall, where allowed.
Enclosure	Indoor – IP20 / NEMA 2
Cooling	Natural convection – No active or passive cooling 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	Maximizing self-consumption of solar, time-of-use bill management, power export limiting ³
Monitoring	Enlighten Manager and MyEnlighten monitoring options
Compliance	Certification Pending: UL 1741, UL 1973, UL 9540; UN 38.3
LIMITED WARRANTY	
Limited Warranty ⁴	>80% capacity, up to 10 years or 7300 cycles

1. At 25°C.
2. Mounting wall plate is 19.3 in. wide, interleaved, allowing 16 in. 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