

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. 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	
B280-1200-LL-I-US00-RF0	AC Battery with integrated S280-ACB-LL-US Enphase Microinverter
ACCESSORIES	DIMENSIONS
Enphase Wall Mount Bracket (BWM-16IN-B)	Size: 487 mm (W) x 356 mm (H) / 19.2 in. (W) x 14.0 in. (H) Accommodates 16 in. battery-to-battery spacing Weight: 3.65 kg (8.05 lbs)
OUTPUT DATA (AC)	@240 VAC
Peak output power	280 VA
Rated (continuous) output power	270 VA
Duration of discharge at rated power	4.3 hours
Nominal voltage / range	240 / 211 – 264 VAC
Nominal frequency / range	60 / 57 – 61 Hz
Extended frequency range	57 – 63 Hz
Nominal output current	1.13 A
Power factor (adjustable)	1.0 / 0.7 leading ... 0.7 lagging
Maximum units per 20 A branch circuit	14 (single phase)
Weighted inverter efficiency	97.0%
Peak inverter efficiency	97.3%
BATTERY CHEMISTRY	
Capacity	1.2 kWh / 48.5 Ah
Nominal voltage	25.6 VDC
Depth of discharge (usable capacity)	100%
Ambient operating temperature range	-20° C to 45° C (-4° F to 113° F)
Chemistry	Lithium Iron Phosphate (LFP)
Cell safety certifications	TÜV Rheinland, UL
Roundtrip cell efficiency ¹	96%
MECHANICAL DATA	
Dimensions	390 mm (W) x 325 mm (H) x 220 mm (D) / 15.4 in (W) x 12.8 in (H) x 8.7 in (D) (without bracket)
Weight	25 kg (55 lbs)
Installation	Wall mounted in an indoor space using standard AC wiring in conduit or in wall, where allowed.
Enclosure	Indoor – IP20 / NEMA 2
Cooling	Natural convection – No fans
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 ²
Monitoring	Enlighten Manager and MyEnlighten monitoring options
Compliance	UL 9540, UL 991, UL 1642, UL 1741, UL 1973; UN 38.3
LIMITED WARRANTY	
Limited Warranty ³	>80% capacity, up to 10 years or 7300 cycles

1. At 25° C (77° F).

2. Optional. Requires Enphase S-Series Microinverters™ to implement.

3. Whichever occurs first. Restrictions apply.

To learn more about Enphase offerings, visit enphase.com