

Enphase IQ Battery

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

The IQ Battery is an integral part of the Enphase Home Energy Solution.



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

- Long cycle life - prismatic cells are highly stable over time
- 10-year warranty
- No single point of failure

Modular

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

Enphase IQ Battery

MODEL NUMBER	
IQ6PLUS-B1200-LL-I-US00-RV1	Battery with integrated IQ6PLUS-ACB-LL Enphase Microinverter
ACCESSORIES	
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
Maximum short circuit current	1.14 A _{rms} – 3 cycles
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 IQ Envoy gateway
Communication	Power Line Communication (PLC), TCP/IP through the IQ Envoy
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 IQ-Series Microinverters™ to implement.
3. Whichever occurs first. Restrictions apply.

To learn more about Enphase offerings, visit enphase.com