

Enphase Encharge 10

The **Enphase Encharge 10™** battery is **reliable**, **smart**, **simple**, and **safe**. It provides the lowest lifetime energy costs with backup capability for both new and retrofit solar customers. As an installer, you can quickly design the right system size to meet the needs of the homeowner.



Reliable

- Proven high reliability IQ Series Microinverters
- 10-year warranty
- Extensive testing
- Passive cooling (no moving parts/fans)

Smart

- Utility TOU optimization
- Self consumption
- Remote upgrade
- Mobile app-based monitoring
- Grid-forming capability for backup operation

Simple

- Fully integrated AC battery system
- Quick and easy plug-and-play installation
- Interconnects with standard household AC wiring

Safe

- Cells safety tested
- Lithium iron phosphate (LFP) chemistry for maximum safety and longevity

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MODEL NUMBER	
ENCHARGE-10-1P-NA	Encharge 10 battery storage system with integrated Enphase Microinverters and BMU. Includes: - Three Encharge 3.36kWh base units (B10-A01-US00-1-3) - One Encharge 10 cover kit with cover, mounting bracket, and watertight conduit hubs (B10-C-1050-O) - Interconnect kit for wiring between batteries (B10-W-AWG08-0700-O)
ACCESSORIES	
B10-W-AWG08-0700-O	Connection cable
OUTPUT (AC)	
	@ 240 VAC¹
Rated (continuous) output power ²	3.84 kVA
Peak output power	5.7 kVA (10 seconds)
Nominal voltage / range	240 / 211 – 264 VAC
Nominal frequency / range	60 / 57 – 61 Hz
Rated output current	16 A
Power factor (adjustable)	0.85 leading ... 0.85 lagging
Maximum units per 20 A branch circuit	1 unit (single phase)
Interconnection	single-phase
Round trip efficiency ²	89%
BATTERY	
Total capacity	10.5 kWh
Usable capacity	10.08 kWh
Round trip efficiency	96%
Maximum DC voltage	73.5 V
Ambient operating temperature range	-15° C to 55° C (5° F to 131° F) non-condensing
Optimum operating temperature range	0° C to 30° C (32° F to 86° F)
Chemistry	Lithium iron phosphate (LFP)
MECHANICAL DATA	
Dimensions (WxHxD)	1070 mm x 664 mm x 319 mm (42.13 in x 26.14 in x 12.56 in)
Weight	Three each 44.2 kg (97.4 lbs) base units plus 24.4 kg (53.8 lbs) cover and mounting bracket; total 156.9 kg (346 lbs)
Enclosure	Outdoor – NEMA 3R
Cooling	Natural convection – No fans
Altitude	Up to 2500 meters (8200 feet)
Mounting	Wall mount
FEATURES AND COMPLIANCE	
Compatibility	Compatible with grid-tied PV systems. Compatible with Enphase IQ Series Micros, Enphase Enpower, and Enphase IQ Envoy for backup operation.
Communication	Wireless Zigbee 2.4 GHz and 915 MHz
Services	Backup, self-consumption, TOU, Demand Charge, NEM Integrity
Monitoring	Enlighten Manager and MyEnlighten monitoring options; API integration
Compliance	This product will comply with all the required regulatory certifications in the North American markets before launch. Details will be provided in the final data sheet.
LIMITED WARRANTY	
Limited Warranty ³	>70% capacity, up to 10 years or 4000 cycles

1. Not supported in backup/off grid operations
2. AC to Battery to AC
3. Whichever occurs first. Restrictions apply.

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