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
- Ten-year limited 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

To learn more about Enphase offerings, visit enphase.com
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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 power² 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 efficiency² 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 -15º C to 55º C (5º F to 131º F) non-condensing
Optimum operating temperature range 0º C to 30º C (32º F to 86º 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 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 Warranty³ >70% capacity, up to 10 years or 4000 cycles

1. Supported in backup/off grid operations
2. AC to Battery to AC
3. Whichever occurs first. Restrictions apply.

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