The Enphase Encharge 10™ all-in-one AC-coupled storage system is **reliable, smart, simple, and safe**. It is comprised of three base Encharge 3™ storage units, has a total usable energy capacity of 10.08 kWh and twelve embedded grid-forming microinverters with 3.84 kW power rating. It provides backup capability and installers can quickly design the right system size to meet the needs of both new and retrofit solar customers.

### Reliable
- Proven high reliability IQ Series Microinverters
- Ten-year limited warranty
- Three independent Encharge storage base units
- Twelve embedded IQ 8X-BAT Microinverters
- Passive cooling (no moving parts/fans)

### Smart
- Grid-forming capability for backup operation
- Remote software and firmware upgrade
- Mobile app-based monitoring and control
- Support for self consumption
- Utility time of use (TOU) optimization

### 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](http://enphase.com)
Enphase Encharge 10

MODEL NUMBER

ENCHARGE-10-1P-NA
Encharge 10 battery storage system with integrated Enphase Microinverters and battery management unit (BMU). Includes:
- Three Encharge 3.36 kWh base units (B3-A01-US001-1-3)
- One Encharge 10 cover kit with cover, wall mounting bracket, watertight conduit hubs, and interconnect kit for wiring between batteries (B10-C-1050-O)

ACCESSORIES

ENCHARG-HNDL-R1
One set of Encharge base unit installation handles

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
Maximum AC short circuit fault current over 3 cycles 69.6 Arms
Round trip efficiency² 89%

BATTERY

Total capacity 10.5 kWh
Usable capacity 10.08 kWh
Round trip efficiency 96%
Nominal DC voltage 67.2 V
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 individual 44.2 kg (97.4 lbs) base units plus 21.1 kg (48.7 lbs) cover and mounting bracket, total 154.7 kg (341 lbs)
Enclosure Outdoor – NEMA type 3R
IQ 8X-BAT microinverter enclosure NEMA type 6
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 (pending) UL 9540, UN 38.3, UL 9540A, UL 1998, UL 991, NEMA Type 3R, AC156 EMI: 47 CFR, Part 15, Class B, ICES 003
Cell Module: UL 1973, UN 38.3
Inverters: UL 62109-1, IEC 62109-2, UL 1741SA, CAN/CSA C22.2 No. 107.1-16

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 at 50% power rating.
3. Whichever occurs first. Restrictions apply.

To learn more about Enphase offerings, visit enphase.com

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