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 10.08kWh and twelve embedded grid-forming microinverters with 3.84kW 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 3.36kWh 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-1050-0)

### ACCESSORIES

**B10-W-AWG08-0700-O**

Interconnect kit for wiring between the three Encharge base units in the Encharge 10

### OUTPUT (AC)

- **@ 240 VAC**
  - Rated (continuous) output power
    - 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
    - 96%

### 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 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 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 (pending)
  - UL 1741SA (inverters), UL 1973, UL 9540, UN 38.3, UL 9540A, UL 62109-1 (inverters), IEC 62109-2 (inverters), CAN/CSA C22.2 No. 1071-16 (inverters), NEMA Type 3R, AC156, UL1998, 47 CFR, Part 15, Class B, ICES 003

### LIMITED WARRANTY

- Limited Warranty
  - >70% capacity, up to 10 years or 4000 cycles

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1. Supported in backup/off grid operations
2. AC to Battery to AC at 50% power rating.
3. Whichever occurs first. Restrictions apply.

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