

# Enphase Encharge 3

The **Enphase Encharge 3™** all-in-one AC-coupled storage system is **reliable, smart, simple, and safe**. It has a total usable energy capacity of 3.36kWh and includes four embedded grid-forming microinverters with 1.28kW 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
- Four 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

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

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<b>MODEL NUMBER</b>	
ENCHARGE-3-1P-NA	Encharge 3 battery storage system with integrated Enphase Microinverters and battery management unit (BMU). Includes: - One Encharge 3.36kWh base unit (B03-A01-US00-1-3) - One Encharge 3 cover kit with cover and wall mounting bracket (B03-C-0350-0)
<b>OUTPUT (AC)</b>	
	<b>@240 VAC<sup>1</sup></b>
Rated (continuous) output power	1.28 kVA
Peak output power	1.92 kVA (10 seconds)
Nominal voltage / range	240/211–264 VAC
Nominal frequency / range	60/57–63 Hz
Rated output current	5.3 A
Power factor (adjustable)	0.85 leading ... 0.85 lagging
Maximum units per 20 A branch circuit	Three units (single phase)
Interconnection	Single phase
Round trip efficiency <sup>2</sup>	89%
<b>BATTERY</b>	
Total capacity	3.5 kWh
Usable capacity	3.36 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)
<b>MECHANICAL DATA</b>	
Dimensions (WxHxD)	367 mm x 664 mm x 319mm (14.45 in x 26.14 in x 12.56 in)
Weight	One individual 44.2 kg (97.4 lbs) base unit plus 7.8 kg (17.2 lbs) cover and mounting bracket; total 52 kg (114.6 lbs)
Enclosure	Outdoor – NEMA 3R
Cooling	Natural convection – No fans
Altitude	Up to 2500 meters (8200 feet)
Mounting	Wall mount
<b>FEATURES AND COMPLIANCE</b>	
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
<b>LIMITED WARRANTY</b>	
Limited Warranty <sup>3</sup>	>70% capacity, up to 10 years or 4000 cycles

1. Supported in backup/off-grid operation.
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](https://enphase.com)