

# Enphase Encharge 3

The **Enphase Encharge 3™** 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

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

# Enphase Encharge 3

<b>MODEL NUMBER</b>	
ENCHARGE-3-1P-NA	Encharge 3 battery storage system with integrated Enphase Microinverters and BMU. Includes: - One Encharge 3.36kWh base unit (B03-A01-US00-1-3) - One Encharge 3 cover and 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>	
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 each 44.2 kg (97.4 lbs) base unit plus 8.4 kg (18.6 lbs) cover and mounting bracket; total 52.6 kg (116 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	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.
<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
3. Whichever occurs first. Restrictions apply.

To learn more about Enphase offerings, visit [enphase.com](https://enphase.com)

## Enphase IQ Battery 3T

The **Enphase IQ Battery 3T** all-in-one AC-coupled storage system is **reliable, smart, simple, and safe**. It has a total usable energy capacity of 3.36 kWh and includes four embedded grid-forming microinverters with 1.28 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-years limited warranty, extendable to 15 years<sup>4</sup>
- Four embedded IQ8X-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

- Safety tested battery cells and module
- Lithium iron phosphate (LFP) chemistry for maximum safety and longevity

# Enphase IQ Battery 3T

<b>MODEL NUMBER</b>	
ENCHARGE-3T-1P-NA	IQ Battery 3T battery storage system with integrated Enphase IQ series microinverters and battery management unit (BMU). Includes: - One IQ Battery 3T base unit (B03-T01-US00-1-3) - One IQ Battery 3T cover kit with cover and wall mounting bracket (B03T-C-0430-O)
<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
Peak output current	8.2A (10 seconds)
Power factor (adjustable)	0.85 leading ... 0.85 lagging
Maximum units per 20 A branch circuit	Three units (single phase)
Interconnection	Single phase
Maximum AC short circuit fault current over 3 cycles	23.2 Arms
Round trip efficiency <sup>2</sup>	89%
<b>BATTERY</b>	
Total capacity	3.5 kWh
Usable capacity	3.36 kWh
Round trip efficiency	96%
Nominal DC voltage	67.2 V
Maximum DC voltage	75.6 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)	430 x 775 x 188 mm (16.9 x 30.5 x 7.4 in)
Weight	One individual 40.5 kg (89.3 lbs) base unit plus 8.3 kg (18.3 lbs) cover and mounting bracket; total 48.8 kg (107.6 lbs)
Enclosure	Outdoor – NEMA 3R
IQ8X-BAT microinverter enclosure	NEMA type 6
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 M215/M250 and IQ series micros, Enphase IQ System Controller, and Enphase IQ Gateway for backup operation.
Communication	Wireless 2.4 GHz
Services	Backup, self-consumption, TOU, Demand Charge, NEM Integrity
Monitoring	Enphase Installer Platform monitoring options; API integration
Compliance	UL 9540, UL 9540A, UN 38.3, 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, and IEEE 1547
<b>LIMITED WARRANTY</b>	
Limited Warranty	>70% capacity, up to 10 years or 4000 cycles <sup>3</sup> , extendable to 15 years <sup>4</sup>

1. Supported in both grid-connected and backup operation.
2. AC to battery to AC at 50% power rating.
3. Whichever occurs first. Restrictions apply.
4. Terms and conditions apply.

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