

# Enphase Encharge 3T

The **Enphase Encharge 3T™** all-in-one AC-coupled storage system is **reliable, smart, simple, and safe**. It has a total usable energy capacity of 3.5 kWh and includes four embedded microinverters with 1.28 kW power rating. 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 IQ8X-BAT Microinverters
- Passive cooling (no moving parts/fans)

## Smart

- 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

<b>MODEL NUMBER</b>	
ENCHARGE-3T-1P-INT	Encharge 3T battery storage system with integrated Enphase IQ Series microinverters and battery management unit (BMU). Includes: - One Encharge 3T™ base unit (B03-T01-INT00-1-2) - One Encharge 3T™ cover kit with cover and wall mounting bracket (B03T-C-0430-0)
<b>OUTPUT (AC)</b>	
Rated (continuous) output power	1.28 kVA
Nominal voltage / range	230/207-264 VAC
Nominal frequency / range	50/47–52 Hz
Rated output current	5.6 A
Power factor (adjustable)	0.85 leading ... 0.85 lagging
Interconnection	Single phase
Maximum AC short circuit fault current over 3 cycles	2.8 Arms
Round trip efficiency <sup>1</sup>	89%
<b>BATTERY</b>	
Total capacity	3.5 kWh
Usable capacity	3.5 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 – IP55
Cooling	Natural convection – No fans
Altitude	Up to 2000 meters (6561 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 and Enphase Envoy-S.
Communication	Wireless 2.4 GHz
Services	Self-consumption, TOU, NEM Integrity
Monitoring	Enlighten Manager and MyEnlighten monitoring options; API integration
Compliance (pending)	UN 38.3, EN 62040.1, VDE AR-N 4105:2018 EMI: CE, EFT, ESD, Surge, dips and interruptions, CRF Cell Module: IEC 62619:2017, UN 38.3, UL1973, UL9540A Inverters: EN 62109-1, EN 62109-2, EN 62909-1:2017, EN 50549-1:2019
<b>LIMITED WARRANTY</b>	
Limited Warranty <sup>2</sup>	>70% capacity, up to 10 years or 4000 cycles

1. AC to battery to AC at 50% power rating.
2. Whichever occurs first. Restrictions apply.

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