

## IQ Battery 3

The **IQ Battery 3** all-in-one AC-coupled 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
- 10-year limited warranty
- Four embedded IQ8X-BAT Microinverters
- Passive cooling (no moving parts/fans)
- UL listed
- Meets CA Rule 21 (UL 1741-SA) and IEEE 1547:2018 (UL 1741-SB, 3rd Ed.)

### 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

# IQ Battery 3

|                                                      |                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MODEL NUMBER</b>                                  |                                                                                                                                                                                                                                                                                               |
| ENCHARGE-3-1P-NA                                     | IQ Battery 3 system with integrated IQ Microinverters and battery management unit (BMU). Includes:<br>- One IQ Battery 3.36 kWh base unit (B03-A01-US00-1-3)<br>- One IQ Battery 3 cover kit with cover and wall mounting bracket (B03-C-0350-0)                                              |
| <b>ACCESSORIES</b>                                   |                                                                                                                                                                                                                                                                                               |
| ENCHARGE-HNDL-R1                                     | One set of IQ Battery base unit installation handles                                                                                                                                                                                                                                          |
| <b>OUTPUT (AC)</b>                                   | <b>@240VAC<sup>1</sup></b>                                                                                                                                                                                                                                                                    |
| Rated (continuous) output power                      | 1.28 kVA                                                                                                                                                                                                                                                                                      |
| Peak output power                                    | 1.92 kVA (10 seconds)                                                                                                                                                                                                                                                                         |
| Nominal voltage / range                              | 240/211–264VAC                                                                                                                                                                                                                                                                                |
| Nominal frequency / range                            | 60/57–63 Hz                                                                                                                                                                                                                                                                                   |
| Rated output current                                 | 5.3A                                                                                                                                                                                                                                                                                          |
| Peak output current                                  | 8.2A (10 seconds)                                                                                                                                                                                                                                                                             |
| Power factor (adjustable)                            | 0.85 leading ... 0.85 lagging                                                                                                                                                                                                                                                                 |
| Maximum units per 20A 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                                       | 3.5kWh                                                                                                                                                                                                                                                                                        |
| Usable capacity                                      | 3.36kWh                                                                                                                                                                                                                                                                                       |
| Round trip efficiency                                | 96%                                                                                                                                                                                                                                                                                           |
| Nominal DC voltage                                   | 67.2V                                                                                                                                                                                                                                                                                         |
| Maximum DC voltage                                   | 73.5V                                                                                                                                                                                                                                                                                         |
| 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                                                                                                                                                                                                                                                                             |
| IQ8X-BAT Microinverter enclosure                     | NEMA type 6                                                                                                                                                                                                                                                                                   |
| Cooling                                              | Natural convection – No fans                                                                                                                                                                                                                                                                  |
| Altitude                                             | Up to 2,500 meters (8,200 feet)                                                                                                                                                                                                                                                               |
| Mounting                                             | Wall mount                                                                                                                                                                                                                                                                                    |
| <b>FEATURES AND COMPLIANCE</b>                       |                                                                                                                                                                                                                                                                                               |
| Compatibility                                        | Compatible with grid-tied PV systems. Compatible with M215/M250 and IQ Series Microinverters, IQ System Controller, and IQ Gateway for backup operation.                                                                                                                                      |
| Communication                                        | Wireless 2.4 GHz                                                                                                                                                                                                                                                                              |
| Services                                             | Backup, self-consumption, TOU, Demand Charge, NEM Integrity                                                                                                                                                                                                                                   |
| Monitoring                                           | Enphase Installer Platform and Enphase Installer App monitoring options; API integration                                                                                                                                                                                                      |
| Compliance                                           | CA Rule 21 (UL 1741-SA), IEEE 1547:2018 (UL 1741-SB, 3 <sup>rd</sup> Ed.)<br>UL 9540, UN 38.3, UL 9540A, UL 1998, UL 991, NEMA Type 3R, AC156<br>CAN/CSA C22.2 No. 107.1-16<br>EMI: 47 CFR, Part 15, Class B, ICES 003<br>Cell Module: UL 1973, UN 38.3<br>Inverters: UL 62109-1, IEC 62109-2 |
| <b>LIMITED WARRANTY</b>                              |                                                                                                                                                                                                                                                                                               |
| Limited Warranty <sup>3</sup>                        | >70% capacity, up to 10-years or 4,000 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)

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