The IQ Battery 10 all-in-one AC-coupled storage system is reliable, smart, simple, and safe. It is comprised of three base IQ Battery 3 units, has a total usable energy capacity of 10.08 kWh and twelve embedded grid-forming microinverters with 3.84 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
- Three independent IQ Battery base units
- Twelve 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
- 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)

IQB-10-DSH-00250-1.0-EN-US-2023-11-01
IQ Battery 10

**MODEL NUMBER**

| ENCHARGE-10-1P-NA | IQ Battery 10 system with integrated IQ Microinverters and battery management unit (BMU). Includes:  
|                  | - Three IQ Battery 3.36 kWh base units (B03-A01-US00-1-3)  
|                  | - One IQ Battery 10 cover kit with cover, wall-mounting bracket, watertight conduit hubs, and interconnect kit for wiring between batteries (B10-C-1050-O)  

**ACCESSORIES**

| ENCHARGE-HNDL-R1 | One set of IQ Battery base unit installation handles  

| OUTPUT (AC) | @ 240 VAC¹  
| 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  
| Peak output current | 24.6 A (10 seconds)  
| Power factor (adjustable) | 0.85 leading ... 0.85 lagging  
| Maximum units per 20 A branch circuit | 1 unit (single-phase)  
| Interconnection | Single-phase  
| Maximum AC short-circuit fault current over 3 cycles | 14.4 Arms  
| Round trip efficiency² | 89%  

**BATTERY**

| Total capacity | 10.5 kWh  
| Usable capacity | 10.08 kWh  
| Round trip efficiency | 96%  
| Nominal DC voltage | 67.2 V  
| Maximum DC voltage | 73.5 V  
| Ambient operating temperature range | -15ºC to 55ºC (5ºF to 131ºF) non-condensing  
| Optimum operating temperature range | 0ºC to 30ºC (32ºF to 86ºF)  
| Chemistry | Lithium iron phosphate (LFP)  

**MECHANICAL DATA**

| Dimensions (W x H x D) | 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 type 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  

**FEATURES AND COMPLIANCE**

| 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 App monitoring options; API integration  
| Compliance | CA Rule 21 (UL 1741-SA), IEEE 1547:2018 (UL 1741-SB, 3rd Ed.)  
|            | UL 9540, UN 38.3, UL 9540A, UL 1998, UL 991, NEMA Type 3R, AC156  
|            | CAN/CSA C22.2 No. 107.1-16  
|            | EMI: 47 CFR, Part 15, Class B, ICES 003  
|            | Cell Module: UL 1973, UN 38.3  
|            | Inverters: UL 62109-1, IEC 62109-2  

1. Supported in backup/off-grid operations.  
2. AC to Battery to AC at 50% power rating.
### FIELD REPLACEMENT PARTS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B03A-BC-0160-O</td>
<td>IQ Battery 3/10 battery controller board for field replacement</td>
</tr>
<tr>
<td>B03A-BMU-0205-O</td>
<td>IQ Battery 3/10 battery management unit board for field replacement</td>
</tr>
<tr>
<td>B03C-ACIR-0175-O</td>
<td>IQ Battery 3/10/3T/10T AC filter board (red connector) for field replacement</td>
</tr>
<tr>
<td>B03A-RWSK-0214-O</td>
<td>IQ Battery 3/10 rework spare kit for field repairs</td>
</tr>
</tbody>
</table>

### LIMITED WARRANTY

<table>
<thead>
<tr>
<th>Limited Warranty</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>&gt;70% capacity, up to 10 years or 4,000 cycles</td>
<td></td>
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</table>

3. To be replaced by qualified Enphase field service technicians only.
## Revision history

<table>
<thead>
<tr>
<th>REVISION</th>
<th>DATE</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>DSH-00250-1.0</td>
<td>November 2023</td>
<td>Added the “Field Replacement Parts” table.</td>
</tr>
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</table>

Previous releases.