

IQ Battery 3

MODEL NUMBER	
ENCHARGE-3-1P-NA	IQ Battery 3 system with integrated IQ Microinverters and battery management unit (BMU). Includes: - One IQ Battery 3.36 kWh base unit (B03-A01-US00-1-3) - One IQ Battery 3 cover kit with cover and wall mounting bracket (B03-C-0350-0)
ACCESSORIES	
ENCHARGE-HNDL-R1	One set of IQ Battery base unit installation handles
OUTPUT (AC) @240VAC ¹	
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 ²	89%
BATTERY	
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)
MECHANICAL DATA	
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
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 Installer App monitoring options; API integration
Compliance	CA Rule 21 (UL 1741-SA), IEEE 1547:2018 (UL 1741-SB, 3 rd 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
LIMITED WARRANTY	
Limited Warranty ³	>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.

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