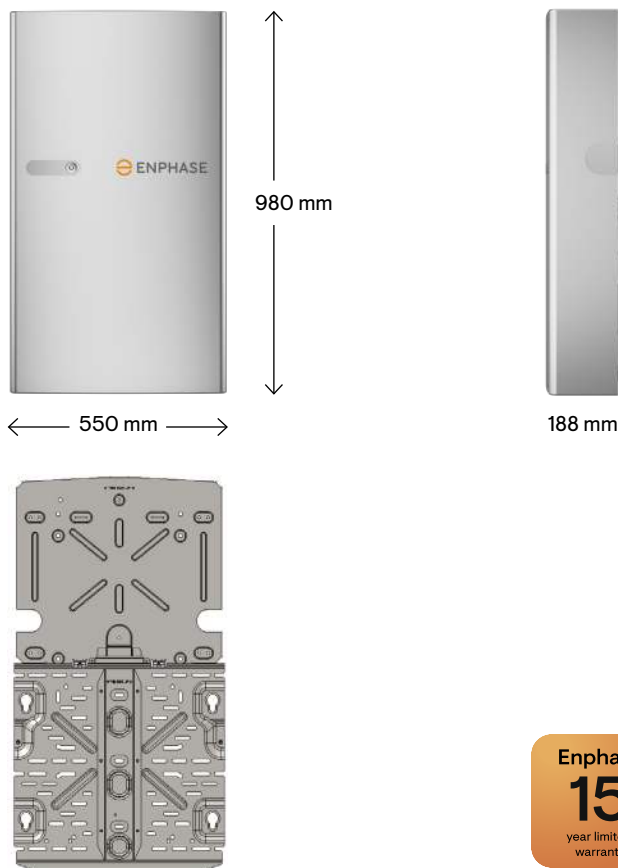




Enphase IQ Battery 5P

The Enphase IQ Battery 5P all-in-one AC-coupled system is powerful, reliable, simple, and safe. It has a total usable energy capacity of 5.0 kWh and includes six embedded grid-forming microinverters with 3.84 kVA continuous power rating. It provides backup capability and installers can quickly design the right system size to meet customer needs.

Dimensions



Wall-mount brackets

15-year limited warranty

Powerful

- Provides 3.84 kVA continuous and 7.68 kVA peak power
- Includes six embedded IQ8D-BAT Microinverters

Reliable

- 15-year limited warranty
- Cools passively with no moving parts or fans
- Uses wired communication for fast and consistent connection
- Updates software and firmware remotely

Simple

- Fully integrated AC battery system
- Installs and commissions easily
- Supports backup, self-consumption, and time of use (TOU) modes
- Offers homeowners remote monitoring and control from the Enphase App
- Field replaceable components

Safe

- Tested to meet UL 9540A, the highest industry standard for battery safety
- Uses lithium iron phosphate (LFP) chemistry for maximum safety and longevity

Enphase IQ Battery 5P

MODEL NUMBER	
IQBATTERY-5P-1P-ROW	IQ Battery 5P system with integrated Enphase IQ Microinverters and battery management system (BMS) with Battery Controller, includes: - IQ Battery 5P unit (B05-T02-ROW00-1-2) - IQ Battery 5P cover and wall-mount bracket (B05-CX-0550-O; B05-WB-0543-O)
ACCESSORIES AND REPLACEMENT PARTS	
IQ8D-BAT-RMA	IQ8D-BAT Microinverter for IQ Battery 5P
B05-T02-ROW00-1-2-RMA	IQ Battery 5P Battery unit for field replacement
B05-CX-0550-O	IQ Battery 5P cover
B05-PM-0550-O	IQ Battery 5P pedestal mount
B05-CP-096-O	IQ Battery 5P conduit plates. Includes one left side and one right side conduit plate
B05-WB-0543-O	IQ Battery 5P wall bracket. Includes one wall-mount bracket and one top shield
IQBATTERY-HNDL-5	IQ Battery 5P lifting handles. Includes one left side and one right side lifting handle
B05-ACFB-080-O	IQ Battery 5P AC filter board
B05-BMSRA-0490-O	IQ Battery 5P BMS board
B05-CANB-063-O	IQ Battery 5P control communication board
B05-RICS-0524-O, B05-RUCS-0524-O	IQ Battery 5P control switch preinstalled on wiring cover
OUTPUT (AC)	
@ 230 VAC ¹	
Rated output apparent power	3.84 kVA
Peak output power	7.68 kVA (3 seconds), 6.14 kVA (10 seconds)
Nominal voltage/range	230/211-264 VAC
Nominal frequency/range	50/47-53 Hz
Rated output current (@230 VAC)	16.7 A
Peak output current (@230 VAC)	33.4 A (3 seconds), 26.7 A (10 seconds)
Power factor (adjustable)	0.8 leading ... 0.8 lagging
Maximum output overcurrent protection	20 A per unit
Inverter topology	Isolated (HF transformer)
Interconnection	Single phase
Protection class	I
Overvoltage category	III
AC round trip efficiency ²	90%
BATTERY	
Usable capacity	5.0 kWh
DC round trip efficiency	96%
Nominal DC voltage	76.8 V
Maximum DC voltage	86.4 V
Ambient operating temperature (charging)	-20°C to 50°C non-condensing
Ambient operating temperature (discharging)	-20°C to 55°C non-condensing
Optimum operating temperature range	0°C to 30°C
Chemistry	Lithium iron phosphate (LFP)

¹Supported in both grid-connected and backup/off-grid operation

² AC to battery to AC at 50% power rating

Enphase IQ Battery 5P

MECHANICAL DATA	
Dimensions (HxWxD)	980 mm x 550 mm x 188 mm
Lifting weight	66.3 kg
Total installed weight	78.9 kg
Enclosure	Outdoor – IP55
IQ8D-BAT Microinverter enclosure	Outdoor – IP67
Cooling	Natural convection
Altitude	Up to 2,000 m
Mounting	Wall-mount or pedestal-mount (sold separately)
FEATURES AND COMPLIANCE	
Compatibility	Compatible with Enphase IQ Series and S Series Microinverters. Enphase IQ System Controller 3 INT is required for grid-tied and backup operation.
Communication	Wired control communication
Services	Backup, self-consumption, and TOU
Monitoring	Enphase Installer Platform and Enphase App monitoring options; API integration
Compliance	Performance: AS/NZS 4777.2 :2020 + A1 Safety: AS IEC 62040.1, EN IEC 62109-1, EN IEC 62109-2, AS IEC 62619, UN 38.3 EMC: EN 50065-2-2, IEC 61000-3-2, IEC 61000-3-3, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-11, IEC 61000-6-2
LIMITED WARRANTY	
Limited warranty	>60% capacity, up to 15 years or 6,000 cycles ³

³ Whichever occurs first. Restrictions apply

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