



X-IQ-AM1-240-5 X-IQ-AM1-240-5C

### IQ Combiner 5/5C

The IQ Combiner 5/5C consolidates interconnection equipment into a single enclosure and streamlines IQ Series Microinverters and IQ Gateway installation by providing a consistent, pre-wired solution for residential applications. IQ Combiner 5/5C uses wired control communication and is compatible with IQ System Controller 3/3G and IQ Battery 5P.

The IQ Combiner 5/5C, IQ Series Microinverters, IQ System Controller 3/3G, and IQ Battery 5P provide a complete grid-agnostic Enphase Energy System.



#### IQ Series Microinverters The high-powered smart grid-ready IQ Series Microinverters (IQ6, IQ7, and IQ8 Series) simplify the installation process.



#### IQ Battery 5P

Fully integrated AC battery system. Includes six field-replaceable IQ8D-BAT Microinverters.











IQ System Controller 3/3G

Provides microgrid interconnection device (MID) functionality by automatically detecting grid failures and seamlessly transitioning the home energy system from grid power to backup power.



#### IQ Load Controller

Helps prioritize essential appliances during a grid outage to optimize energy consumption and prolong battery life.



#### 5-year limited warranty

\*For country-specific warranty information, see the https://enphase.com/installers/resources/warranty page.

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#### **Smart**

- · Includes IQ Gateway for communication and control
- · Includes Enphase Mobile Connect (CELLMODEM-M1-06-SP-05), only with IQ Combiner 5C
- · Supports flexible networking: Wi-Fi, Ethernet, or cellular
- · Provides production metering (revenue grade) and consumption monitorina

### Easy to install

- · Mounts to one stud with centered
- · Supports bottom, back, and side conduit entries
- · Supports up to four 2-pole branch circuits for 240 VAC plug-in breakers (not included)
- · 80 A total PV branch circuits
- · Bluetooth-based Wi-Fi provisioning for easy Wi-Fi setup

#### Reliable

- · Durable NRTL-certified NEMA type 3R enclosure
- · 5-year limited warranty
- · 2-year labor reimbursement program coverage included for both the IQ Combiner SKUs<sup>\*</sup>
- · UL1741 Listed

# IQ Combiner 5/5C

MODEL NUMBER	
IQ Combiner 5 (X-IQ-AM1-240-5)	IQ Combiner 5 with IQ Gateway printed circuit board for integrated revenue-grade PV production metering (ANSIC12.20 ±0.5%), consumption monitoring (±2.5%), and IQ Battery monitoring (±2.5%). Includes a silver solar shield to deflect heat.
IQ Combiner 5C (X-IQ-AM1-240-5C)	IQ Combiner 5C with IQ Gateway printed circuit board for integrated revenue-grade PV production metering (ANSI C12.20 ±0.5%), consumption monitoring (±2.5%) and IQ Battery monitoring (±2.5%). Includes Enphase Mobile Connect cellular modem (CELLMODEM-M1-06-SP-05)¹. Includes a silver solar shield to deflect heat.
WHAT'S IN THE BOX	
IQ Gateway printed circuit board	IQ Gateway is the platform for total energy management for comprehensive, remote maintenance, an management of the Enphase Energy System
Busbar	80 A busbar with support for one IQ Gateway breaker and four 20 A breaker for installing IQ Series Microinverters and IQ Battery 5P
IQ Gateway breaker	Circuit breaker, 2-pole, 10 A/15 A
Production CT	Pre-wired revenue-grade solid-core CT, accurate up to ±0.5%
Consumption CT	Two consumption metering clamp CTs, shipped with the box, accurate up to $\pm 2.5\%$
IQ Battery CT	One battery metering clamp CT, shipped with the box, accurate up to ±2.5%
CTRL board	Control board for wired communication with IQ System Controller 3/3G and the IQ Battery 5P
Enphase Mobile Connect (only with IQ Combiner 5C)	4G-based LTE-M1 cellular modem (CELLMODEM-M1-06-SP-05) with a 5-year T-Mobile data plan
Accessories kit	Spare control headers for the COMMS-KIT-02 board
ACCESSORIES AND REPLACEMENT PARTS (NOT INCLUDED,	ORDER SEPARATELY)
CELLMODEM-M1-06-SP-05	4G-based LTE-M1 cellular modem with a 5-year T-Mobile data plan
CELLMODEM-M1-06-AT-05	4G-based LTE-M1 cellular modem with a 5-year AT&T data plan
Circuit breakers (off-the-shelf)	Supports Eaton BR2XX, Siemens Q2XX and GE/ABB THQL21XX Series circuit breakers (XX represents 10, 15, 20, 30, 40, 50, or 60). Also supports Eaton BR220B, BR230B, and BR240B circuit breakers compatible with the hold-down kit.
Circuit breakers (provided by Enphase)	BRK-10A-2-240V, BRK-15A-2-240V, BRK-20A-2P-240V, BRK-15A-2P-240V-B, and BRK-20A-2P-240V-B (more details in the "Accessories" section)
XA-SOLARSHIELD-ES	Replacement solar shield for IQ Combiner 5/5C
XA-ENV2-PCBA-5	IQ Gateway replacement printed circuit board (PCB) for IQ Combiner 5/5C
X-IQ-NA-HD-125A	Hold-down kit compatible with Eaton BR-B Series circuit breakers (with screws)
XA-COMMS2-PCBA-5	Replacement COMMS-KIT-02 printed circuit board (PCB) for IQ Combiner 5/5C
ELECTRICAL SPECIFICATIONS	
Rating	80 A
System voltage and frequency	120/240 VAC, 60 Hz
Busbar rating	125 A
Fault current rating	10 kAIC
Maximum continuous current rating (input from PV/storage)	64 A
Branch circuits (solar and/or storage)	Up to four 2-pole Eaton BR, Siemens Q, or GE/ABB THQL Series distributed generation (DG) breakers only (not included)
Maximum total branch circuit breaker rating (input)	80 A of distributed generation/95 A with IQ Gateway breaker included
IQ Gateway breaker	10 A or 15 A rating GE/Siemens/Eaton included
Production metering CT	200 A solid core pre-installed and wired to IQ Gateway
Consumption monitoring CT (CT-200-CLAMP)	A pair of 200 A clamp-style current transformers is included with the box
IQ Battery metering CT	200 A clamp-style current transformer for IQ Battery metering, included with the box

<sup>&</sup>lt;sup>1</sup>A plug-and-play industrial-grade cell modem for systems of up to 60 microinverters. Available in the United States, Canada, Mexico, Puerto Rico, and the US Virgin Islands, where there is adequate cellular service in the installation area.

Meight					
Height is 33.5 om Z(106°) with mounting brackets.  Weight	MECHANICAL DATA				
Ambient temperature range  -40°C to 46°C (-40°F to 18°F)  Natural convection, plus heat shield  Encloaure environmental rating  Outdoon, NRTL-certified, NEMA type 3R, polycarbonate construction  -20 At 50 Ab resalter inputs: 14 to 4 AWG copper conductors -50 A breaker inputs: 14 to 10 AWG copper conductors -50 A breaker threaten input: 14 to 10 AWG copper conductors -60 A breaker threaten input: 14 to 10 AWG copper conductors -70	Dimensions (W × H × D)				
Cooling  Natural convection, plus heat shield  Enclosure environmental rating  Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction  - 20 A to 50 A breaker transpit. 14 to 14 AWG copper conductors - 60 A breaker branch injust. 14 to 14 AWG copper conductors - Natural and ground. 14 to 17 Coopper conductors - Natural and ground. 14 Coopper conductors - Natural and ground. 14 Coopper conductors - Natural and ground. 15 to 20 Natural And ground. 15 to 20 Natural And ground Natural and ground. 15 to 20 Natural And ground. 15 Natural And ground. 15 Natural And ground. 15 Natu	Weight		7.5 kg (16.5 lb)		
Enclosure environmental rating  Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction  - 20 A to 50 A breaker inputs: 14 to 4 AWG copper conductors - 60 A broaker barned injust: 14 to 70 AWG copper conductors - 80 A broaker barned injust: 14 to 70 AWG copper conductors - 80 A broaker barned injust: 14 to 70 AWG copper conductors - 80 A broaker barned injust: 14 to 70 AWG copper conductors - 80 A broaker barned injust: 14 to 70 AWG copper conductors - 80 A broaker barned injust: 14 to 70 AWG copper conductors - 80 A broaker barned injust: 15 to 270 AWG copper conductors - 80 Abroaker barned injust: 15 to 270 AWG copper conductors - 80 Abroaker barned injust: 15 to 270 AWG copper conductors - 80 Abroaker barned injust: 15 to 270 AWG copper conductors - 80 Abroaker barned injust: 15 to 270 AWG copper conductors - 80 Abroaker barned injust: 15 to 270 AWG conductors - 80 Abroaker barned injust: 15 to 270 AWG conductors - 80 Abroaker barned injust: 15 to 270 AWG conductors - 80 Abroaker barned injust: 15 to 270 AWG conductors - 80 Abroaker barned injust: 15 to 270 AWG conductors - 80 Abroaker barned injust: 15 to 270 AWG conductors - 80 Abroaker barned injust: 15 to 270 AWG conductors - 80 Abroaker barned injust: 15 to 270 AWG conductors - 80 Abroaker barned injust: 15 to 270 AWG conductors - 80 Abroaker barned injust: 15 to 270 AWG conductors - 80 Abroaker barned injust: 15 to 270 AWG conductors - 80 Abroaker barned injust: 15 to 270 AWG abroaker barned conductors - 80 Abroaker barned injust: 15 to 270 AWG abroaker barned conductors - 80 Abroaker barned injust: 15 to 270 AWG abroaker barned conductors - 80 Abroaker barned injust: 15 to 270 AWG abroaker barned conductors - 80 Abroaker barned injust: 15 to 270 AWG abroaker barned conductors - 80 Abroaker barned injust: 15 to 270 AWG abroaker barned conductors - 80 Abroaker barned injust: 15 to 270 AWG abroaker barned conductors - 80 Abroaker barned injust: 15 to 270 AWG abroaker barned conductors - 80 Abroaker barned injust: 15 to 270 AWG abroaker barned i	Ambient temperature range		-40°C to 46°C (-40°F to 115°F)		
Wire sizes  - 20 A to 50 A breaker inputs: 14 to 4 AWG copper conductors - 60 A breaker parach input; 4 to 10 AWG copper conductors - 60 A breaker parach input; 4 to 10 AWG copper conductors - Main lug combined output; 10 to 20 AWG copper conductors - Neutral and ground: 14 to 10 Copper conductors - Neutral and ground: 14 to 10 Copper conductors - Neutral and ground: 14 to 10 Copper conductors - Neutral and ground: 14 to 10 Copper conductors - Neutral and ground: 14 to 10 Copper conductors - Neutral and ground: 14 to 10 Copper conductors - Neutral and ground: 14 to 10 Copper conductors - Neutral and ground: 14 to 10 Copper conductors - Neutral and ground: 14 to 10 Copper conductors - Neutral and ground: 14 to 10 Copper conductors - Neutral and ground: 14 to 10 Copper conductors - Neutral and ground: 14 to 10 Copper conductors - Neutral and ground: 14 to 10 Copper conductors - Neutral and ground: 14 to 10 Copper conductors - Neutral and ground: 15 to 10 C	Cooling		Natural convection, plus heat shield		
Parameter   Par	Enclosure environmental rating		Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction		
Alltitude Up to 2,600 meters (8,530 feet)  COMMUNICATION INTERFACES  Integrated WI-FI 802.1b/g/n (dual band 2,4 GHz/5 GHz) for connecting the Enphase Cloud through the internet.  Wi-Fi range (recommended) 10 m (32.8 feet)  BiLetoch BiLetoch Cellular/Mobile Connect Cellular/Mobile Connect  Cellular/Mobile Connect  Cellular/Mobile Connect Cellular/Mobile Connect  Cellular/Mobile Connect  Connect Connect Collular Cellular Cell	Wire sizes		<ul> <li>60 A breaker branch input: 4 to 1/0 AWG copper conductors</li> <li>Main lug combined output: 10 to 2/0 AWG copper conductors</li> <li>Neutral and ground: 14 to 1/0 copper conductors</li> </ul>		
Integrated Wi-Fi  Integrated Wi-Fi  Integrated Wi-Fi  Wi-Fi range (recommended)  Bluetooth  Bluetoo	Communication (in-premise connectivity)		Built-in CTRL board for wired communication with the IQ Battery 5P and the IQ System Controller 3/3G. Integrated power line communication for IQ Series Microinverters.		
Integrated Wi-Fi Wi-Fi range (recommended)  10 m (32.8 feet)  Bluetooth  Bluetooth  Bluetooth  Bluetooth  Cellular/Mobile Connect  Collular/Mobile	Altitude		Up to 2,600 meters (8,530 feet)		
Wi-Fi range (recommended)  Bluetooth  Coptional, 802.3, Cat5E (or Cat 6) UTP Ethernet cable (not included) for connecting to the Enphase Cloud through the internet.  Cellular/Mobile Connect  CELLMODEM-MI-06-SP-05 or CELLMODEM-MI-06-AT-05 (included with the IQ Combiner 5C)  Digital I/O  Digital Input/output for grid operator control  USB 2.0  Mobile Connect, COMMS-KIT-01 for IQ Battery 3/3T/10/10T, COMMS-KIT-02 for IQ Battery 5P  Access point (AP) mode  For connection between the IQ Gateway and a mobile device running the Enphase Installer App  Metering ports  Up to two Consumption CTs, one IQ Battery CT, and one Production CT  Power line communication  Web API  See https://developer-v4.enphase.com  See Guide for local API at https://developer-v4.enphase.com  COMPLIANCE  UL 1741, CAN/CSA 22.2 No. 107.1, Title 47 CFR, Part 15, Class B, ICES 003, NOM-208-SCFI-2016, UL 60601-I/CAN/CSA 22.2 No. 61010-1, IEEE 1547: 2018 (UL 1741-SB, 3rd Ed.), IEEE 2030.5/CSIP Compliant, Production metering: ANSI C12.20 accuracy class 0.5 (PV production)  COMPATIBILITY  PV  Microinverters  IQ System Controller  EP200G101-M240US00  COMMS-KIT-01²  IQ System Controller  EP200G101-M240US01  IQ System Controller 2  EP200G101-M240US01  IQ System Controller 3  SC200D11IC240US01, SC200G11IC240US01	COMMUNICATION INTERFACES				
Bluetooth BLE4.2, 10 m range to configure Wi-Fi SSID  Optional, 802.3, Cat5E (or Cat 6) UTP Ethernet cable (not included) for connecting to the Enphase Cloud through the internet.  Cellular/Mobile Connect  Cellular/Mobile Connect  CELLMODEM-MI-06-SP-05 or CELLMODEM-MI-06-AT-05 (included with the IQ Combiner 5C)  Digital I/O  Digital input/output for grid operator control  WSB 2.0  Mobile Connect, COMMS-KIT-01 for IQ Battery 3/37/10/10T, COMMS-KIT-02 for IQ Battery 5P  Access point (AP) mode  For connection between the IQ Gateway and a mobile device running the Enphase Installer App  Metering ports  Up to two Consumption CTs, one IQ Battery CT, and one Production CT  Power line communication  90-110 kHz  See https://developer-v4.enphase.com  See Guide for local API at https://enphase.com/download/accessing-ig-gateway-local-apis-or-local-ui-token-based-authentication  COMPLIANCE  UL 1741, CAN/CSA C22.2 No. 1071, Title 47 CFR, Part 15, Class B, ICES 003, NOM-208-SCFI-2016, UL 60601-I/CANCSA 22.2 No. 1071, Title 47 CFR, Part 15, Class B, ICES 003, NOM-208-SCFI-2016, UL 60601-I/CANCSA 22.2 No. 1071, Title 47 CFR, Part 15, Class B, ICES 003, NOM-208-SCFI-2016, UL 60601-I/CANCSA 22.2 No. 1071, Title 47 CFR, Part 15, Class B, ICES 003, NOM-208-SCFI-2016, UL 60601-I/CANCSA 22.2 No. 1071, Title 47 CFR, Part 15, Class B, ICES 003, NOM-208-SCFI-2016, UL 60601-I/CANCSA 22.2 No. 1071, Title 47 CFR, Part 15, Class B, ICES 003, NOM-208-SCFI-2016, UL 60601-I/CANCSA 22.2 No. 1071, Title 47 CFR, Part 15, Class B, ICES 003, NOM-208-SCFI-2016, UL 60601-I/CANCSA 22.2 No. 1071, Title 47 CFR, Part 15, Class B, ICES 003, NOM-208-SCFI-2016, UL 60601-I/CANCSA 22.2 No. 61010-I, IEEE 1547: 2018 (UL 1741-SB, 3rd Ed.), IEEE 2030.5/CSIP Compliant, Production metering; ANSI C12.20 accuracy class 0.5 (PV production)  COMMA-KIT-012  Microinverters  IQ System Controller  EP200G101-M240US00  ENCHARGE-3-1P-NA, ENCHARGE-3-1P-NA, ENCHARGE-3T-IP-NA, ENCHARGE-10T-IP-NA  IQ System Controller 3  ENCHARGE-3-1P-NA, ENCHARGE-10-IP-NA, ENCHARGE-3T-IP-NA, ENC	Integrated Wi-Fi		802.11b/g/n (dual band 2.4 GHz/5 GHz) for connecting the Enphase Cloud through the internet.		
Ethernet	Wi-Fi range (recommended)		10 m (32.8 feet)		
Enphase Cloud through the internet.  Cellular/Mobile Connect  Cellular/Mobile Connect  Cellular/Mobile Connect  Cellular/Mobile Connect  Cellular/Mobile Connect  Digital I/O  Digital Input/output for grid operator control  USB 2.0  Mobile Connect, COMMS-KIT-01 for IQ Battery 3/3T/10/10T, COMMS-KIT-02 for IQ Battery 5P  Access point (AP) mode  For connection between the IQ Gateway and a mobile device running the Enphase Installer App  Metering ports  Up to two Consumption CTs, one IQ Battery CT, and one Production CT  Power line communication  Web API  See https://developer-v4.enphase.com  See Guide for local API at https://enphase.com/download/accessing-ig-gateway-local-apis-or-local-ui-token-based-authentication  COMPLIANCE  UL 1741, CAN/CSA C22.2 No. 107.1, Title 47 CFR, Part 15, Class B, ICES 003, NOM-208-SCFI-2016, UL 60601-1/CAN/CSA 22.2 No. 61010-1, IEEE 1547: 2018 (UL 1741-SB, 3rd Ed.), IEEE 2030.5/CSIP Compliant, Production metering: ANSI C12.20 accuracy class 0.5 (PV production)  COMPATIBILITY  PV  Microinverters  IQ System Controller  IQ System Controller  EP200G101-M240US00  COMMS-KIT-012  IQ System Controller 2  EP200G101-M240US01  IQ System Controller 3  SC200D11IC240US01, SC200G11IC240US01	Bluetooth		BLE4.2, 10 m range to configure Wi-Fi SSID		
Digital input/output for grid operator control  USB 2.0	Ethernet		_ :		
USB 2.0  Mobile Connect, COMMS-KIT-01 for IQ Battery 3/3T/10/10T, COMMS-KIT-02 for IQ Battery 5P  Access point (AP) mode  For connection between the IQ Gateway and a mobile device running the Enphase Installer App  Metering ports  Up to two Consumption CTs, one IQ Battery CT, and one Production CT  Power line communication  Web API  See https://developer-v4.anphase.com  See Guide for local API at https://enphase.com/download/accessing-iq-gateway-local-apis-or-local-ui-token-based-authentication  COMPLIANCE  UL 1741, CAN/CSA C22.2 No. 107.1, Title 47 CFR, Part 15, Class B, ICES 003, NOM-208-SCFI-2016, UL 60601-1/CANCSA 22.2 No. 61010-1, IEEE 1547: 2018 (UL 1741-SB, 3rd Ed.), IEEE 2030.5/CSIP Compliant, Production metering: ANSI C12.20 accuracy class 0.5 (PV production)  COMPATIBILITY  PV  Microinverters  IQ System Controller  EP200G101-M240US00  EP200G101-M240US00  EP200G101-M240US01  IQ System Controller 2 IQ Battery  ENCHARGE-3-1P-NA, ENCHARGE-3T-IP-NA, ENCHARGE-10T-IP-NA  IQ System Controller 3 SC200D111C240US01, SC200G111C240US01	Cellular/Mobile Connect		CELLMODEM-M1-06-SP-05 or CELLMODEM-M1-06-AT-05 (included with the IQ Combiner 5C)		
Access point (AP) mode  For connection between the IQ Gateway and a mobile device running the Enphase Installer App  Metering ports  Up to two Consumption CTs, one IQ Battery CT, and one Production CT  Power line communication  90-110 kHz  See <a href="https://developer-v4.enphase.com">https://developer-v4.enphase.com</a> See Guide for local API at <a href="https://enphase.com/download/accessing-iq-gateway-local-apis-or-local-ul-token-based-authentication">https://enphase.com/download/accessing-iq-gateway-local-apis-or-local-ul-token-based-authentication</a> COMPLIANCE  UL 1741, CAN/CSA C22.2 No. 107.1, Title 47 CFR, Part 15, Class B, ICES 003, NOM-208-SCFI-2016, UL 60601-1/CANCSA 22.2 No. 61010-1, IEEE 1547: 2018 (UL 1741-SB, 3rd Ed.), IEEE 2030.5/CSIP Compliant, Production metering: ANSI C12.20 accuracy class 0.5 (PV production)  COMPATIBILITY  PV Microinverters IQ6, IQ7, and IQ8 Series Microinverters  IQ System Controller EP200G101-M240US00  COMMS-KIT-012 IQ System Controller 2 EP200G101-M240US01  IQ Battery ENCHARGE-31-IP-NA, ENCHARGE-10-IP-NA, ENCHARGE-3T-IP-NA, ENCHARGE-10T-IP-NA  IQ System Controller 3 SC200D111C240US01	Digital I/O		Digital input/output for grid operator control		
Metering ports  Up to two Consumption CTs, one IQ Battery CT, and one Production CT  Power line communication  90–110 kHz  See https://developer-v4.enphase.com  Local API  Local API  See Guide for local API at https://enphase.com/download/accessing-iq-gateway-local-apis-or-local-ui-token-based-authentication  COMPLIANCE  IQ Combiner with IQ Gateway  UL 1741, CAN/CSA C22.2 No. 107.1, Title 47 CFR, Part 15, Class B, ICES 003, NOM-208-SCFI-2016, UL 60601-1/CANCSA 22.2 No. 61010-1, IEEE 1547: 2018 (UL 1741-SB, 3rd Ed.), IEEE 2030.5/CSIP Compliant, Production metering: ANSI C12.20 accuracy class 0.5 (PV production)  COMPATIBILITY  PV  Microinverters  IQ System Controller  EP200G101-M240US00  COMMS-KIT-01²  IQ System Controller 2  EP200G101-M240US01  IQ Battery  ENCHARGE-3-IP-NA, ENCHARGE-10-IP-NA, ENCHARGE-3T-IP-NA, ENCHARGE-10T-IP-NA  IQ System Controller 3  SC200D111C240US01, SC200G111C240US01	USB 2.0		Mobile Connect, COMMS-KIT-01 for IQ Battery 3/3T/10/10T, COMMS-KIT-02 for IQ Battery 5P		
Power line communication   90-110 kHz	Access point (AP) mode		For connection between the IQ Gateway and a mobile device running the Enphase Installer App		
See https://developer-v4.enphase.com	Metering ports		Up to two Consumption CTs, one IQ Battery CT, and one Production CT		
Local API  See Guide for local API at https://enphase.com/download/accessing-ig-gateway-local-apis-or-local-ui-token-based-authentication  COMPLIANCE  UL 1741, CAN/CSA C22.2 No. 107.1, Title 47 CFR, Part 15, Class B, ICES 003, NOM-208-SCFI-2016, UL 60601-1/CANCSA 22.2 No. 61010-1, IEEE 1547: 2018 (UL 1741-SB, 3rd Ed.), IEEE 2030.5/CSIP Compliant, Production metering: ANSI C12.20 accuracy class 0.5 (PV production)  COMPATIBILITY  PV Microinverters IQ6, IQ7, and IQ8 Series Microinverters  IQ System Controller EP200G101-M240US00  COMMS-KIT-01² IQ System Controller 2 EP200G101-M240US01  IQ Battery ENCHARGE-3-IP-NA, ENCHARGE-10-IP-NA, ENCHARGE-3T-IP-NA, ENCHARGE-10T-IP-NA	Power line communication		90–110 kHz		
https://enphase.com/download/accessing-iq-gateway-local-apis-or-local-ui-token-based-authentication   COMPLIANCE	Web API		See https://developer-v4.enphase.com		
UL 1741, CAN/CSA C22.2 No. 107.1, Title 47 CFR, Part 15, Class B, ICES 003, NOM-208-SCFI-2016, UL 60601-1/CANCSA 22.2 No. 61010-1, IEEE 1547: 2018 (UL 1741-SB, 3rd Ed.), IEEE 2030.5/CSIP Compliant, Production metering: ANSI C12.20 accuracy class 0.5 (PV production)    COMPATIBILITY	Local API				
UL 60601-1/CANCSA 22.2 No. 61010-1, IEEE 1547: 2018 (UL 1741-SB, 3rd Ed.), IEEE 2030.5/CSIP Compliant, Production metering: ANSI C12.20 accuracy class 0.5 (PV production)    COMPATIBILITY	COMPLIANCE				
PV         Microinverters         IQ6, IQ7, and IQ8 Series Microinverters           IQ System Controller         EP200G101-M240US00           COMMS-KIT-01²         IQ System Controller 2         EP200G101-M240US01           IQ Battery         ENCHARGE-3-1P-NA, ENCHARGE-10-1P-NA, ENCHARGE-3T-1P-NA, ENCHARGE-10T-1P-NA           IQ System Controller 3         SC200D111C240US01, SC200G111C240US01	IQ Combiner with IQ Gateway		UL 60601-1/CANCSA 22.2 No. 61010-1, IEEE 1547: 2018 (UL 1741-SB, 3rd Ed.), IEEE 2030.5/CSIP		
IQ System Controller	COMPATIBILITY				
COMMS-KIT-01 <sup>2</sup> IQ System Controller 2  EP200G101-M240US01  IQ Battery  ENCHARGE-3-1P-NA, ENCHARGE-10-1P-NA, ENCHARGE-3T-1P-NA, ENCHARGE-10T-1P-NA  IQ System Controller 3  SC200D111C240US01, SC200G111C240US01	PV	Microinverters	IQ6, IQ7, and IQ8 Series Microinverters		
IQ Battery  ENCHARGE-3-1P-NA, ENCHARGE-10-1P-NA, ENCHARGE-3T-1P-NA, ENCHARGE-10T-1P-NA  IQ System Controller 3  SC200D111C240US01, SC200G111C240US01		IQ System Controller	EP200G101-M240US00		
IQ System Controller 3 SC200D111C240US01, SC200G111C240US01	COMMS-KIT-01 <sup>2</sup>	IQ System Controller 2	EP200G101-M240US01		
		IQ Battery	ENCHARGE-3-1P-NA, ENCHARGE-10-1P-NA, ENCHARGE-3T-1P-NA, ENCHARGE-10T-1P-NA		
VACINING ENTERLY	COMMS-KIT-02 <sup>3</sup>	IQ System Controller 3	SC200D111C240US01, SC200G111C240US01		
IQ Battery IQBATTERY-5P-1P-NA		IQ Battery	IQBATTERY-5P-1P-NA		

<sup>&</sup>lt;sup>2</sup> For information about IQ Combiner 5/5C compatibility with the 2<sup>nd</sup>-generation batteries, refer to the compatibility matrix at <a href="https://enphase.com/download/compatibility-matrix">https://enphase.com/download/compatibility-matrix</a>.
<sup>3</sup> IQ Combiner 5/5C comes pre-equipped with COMMS-KIT-02.

### **Accessories**



#### **Mobile Connect**

4G-based LTE-M1 cellular modem with a 5-year data plan

(CELLMODEM-M1-06-SP-05 for Sprint and CELLMODEM-M1-06-AT-05 for AT&T)



#### **Circuit breakers**

BRK-10A-2-240V Circuit breaker, 2-pole, 10 A, Eaton BR210 BRK-15A-2-240V Circuit breaker, 2-pole, 15 A, Eaton BR215 BRK-20A-2P-240V Circuit breaker, 2-pole, 20 A, Eaton BR220 BRK-15A-2P-240V-B Circuit breaker, 2-pole, 15 A, Eaton BR215B with hold-down kit support

BRK-20A-2P-240V-B Circuit breaker, 2-pole, 20 A, Eaton BR220B with hold-down kit support



#### CT-200-SOLID

200 A revenue-grade solid core Production CT with <0.5% error rate (replacement SKU)



#### CT-200-CLAMP

200 A clamp-style consumption and battery metering CT with <2.5% error rate (replacement SKU)

# Revision history

REVISION	DATE	DESCRIPTION
DSH-00007-4.0	June 2024	Updated the UL smart mark.
DSH-00007-3.0	March 2024	Updated accessories and replacement parts, communication interfaces, and compatibility specifications.
DSH-00007-2.0	September 2023	Included Bluetooth specifications.
DSH-00007-1.0	May 2023	Initial release.