The **Enphase IQ Combiner 3™** with Enphase IQ Envoy™ consolidates interconnection equipment into a single enclosure and streamlines PV and storage installations by providing a consistent, pre-wired solution for residential applications. It offers up to four 2-pole input circuits and Eaton BR series busbar assembly.

### Smart
- Includes IQ Envoy for communication and control
- Flexible networking supports Wi-Fi, Ethernet, or cellular
- Optional AC receptacle available for PLC bridge
- Provides production metering and optional consumption monitoring

### Simple
- Reduced size from previous combiner
- Centered mounting brackets support single stud mounting
- Supports back and side conduit entry
- Up to four 2-pole branch circuits for 240 VAC plug-in breakers (not included)
- 80 A total PV or storage branch circuits

### Reliable
- Durable NRTL-certified NEMA type 3R enclosure
- Five-year warranty
- UL listed

To learn more about Enphase offerings, visit [enphase.com](http://enphase.com)
## Enphase IQ Combiner 3

### Model Number

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IQ Combiner 3 X-IQ-AM1-240-3</td>
<td>IQ Combiner 3 with Enphase IQ Envoy™ printed circuit board for integrated revenue grade PV production metering (ANSI C12.20 +/- 0.5%) and optional* consumption monitoring (+/- 2.5%).</td>
</tr>
</tbody>
</table>

### Accessories and Replacement Parts (not included, order separately)

- **Enphase Mobile Connect™**
  - CELLMODEM-03 (4G / 12-year data plan)
  - CELLMODEM-01 (3G / 5-year data plan)
  - CELLMODEM-M1 (4G based LTE-M / 5-year data plan)

- **Consumption Monitoring**
  - CT-200-SPLIT

- **Circuit Breakers**
  - BRK-10A-2-240
  - BRK-15A-2-240
  - BRK-20A-2P-240

- **EPLC-01**

- **XA-PLUG-120-3**

- **XA-ENV-PCBA-3**

### Electrical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rating</td>
<td>Continuous duty</td>
</tr>
<tr>
<td>System Voltage</td>
<td>120/240 VAC, 60 Hz</td>
</tr>
<tr>
<td>Eaton BR series busbar rating</td>
<td>125 A</td>
</tr>
<tr>
<td>Max. continuous current rating (output to grid)</td>
<td>65 A</td>
</tr>
<tr>
<td>Max. fuse/circuit rating (output)</td>
<td>90 A</td>
</tr>
<tr>
<td>Branch circuits (solar and/or storage)</td>
<td>Up to four 2-pole Eaton BR series Distributed Generation (DG) breakers only (not included)</td>
</tr>
<tr>
<td>Max. continuous current rating (input from PV)</td>
<td>64 A</td>
</tr>
<tr>
<td>Max. total branch circuit breaker rating (input)</td>
<td>80A of distributed generation / 90A with IQ Envoy breaker included</td>
</tr>
<tr>
<td>Production Metering CT</td>
<td>200 A solid core pre-installed and wired to IQ Envoy</td>
</tr>
</tbody>
</table>

### Mechanical Data

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (WxHxD)</td>
<td>49.5 x 37.5 x 16.8 cm (19.5” x 14.75” x 6.63”). Height is 21.06” (53.5 cm with mounting brackets).</td>
</tr>
<tr>
<td>Weight</td>
<td>7.5 kg (16.5 lbs)</td>
</tr>
<tr>
<td>Ambient temperature range</td>
<td>-40°C to +46°C (-40°F to 115°F)</td>
</tr>
<tr>
<td>Cooling</td>
<td>Natural convection, plus heat shield</td>
</tr>
<tr>
<td>Enclosure environmental rating</td>
<td>Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction</td>
</tr>
</tbody>
</table>
| Wire sizes | -20 A to 50 A breaker inputs: 14 to 4 AWG copper conductors
  - 60 A breaker branch input: 4 to 1/0 AWG copper conductors
  - Main lug combined output: 10 to 2/0 AWG copper conductors
  - Neutral and ground: 14 to 1/0 copper conductors
  - Always follow local code requirements for conductor sizing. |
| Altitude | To 2000 meters (6,560 feet) |

### Internet Connection Options

- **Integrated Wi-Fi**
  - 802.11b/g/n
- **Ethernet**
  - Optional, 802.3, Cat5E (or Cat 6) UTP Ethernet cable (not included)
- **Cellular**
  - Optional, CELLMODEM-01 (3G) or CELLMODEM-03 (4G) or CELLMODEM-M1 (4G based LTE-M) (not included)

### Compliance

- **Compliance, Combiner**
  - UL 1741
  - CAN/CSA C22.2 No. 107.1
  - 47 CFR, Part 15, Class B, ICES 003
  - Production metering: ANSI C12.20 accuracy class 0.5 (PV production)

- **Compliance, IQ Envoy**
  - UL 60601-1/CAN/CSA 22.2 No. 61010-1

* Consumption monitoring is required for Enphase Storage Systems.

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