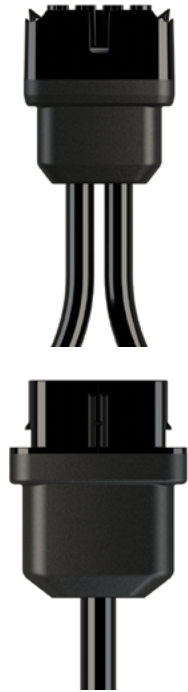


Enphase QD Cable Accessories

The **Enphase QD™ Cable** and accessories are integral parts of the IQ 8D-based small commercial PV system for grid-tied, three-phase, 208V PV applications.

The QD Cable works with the Enphase IQ 8D™ Microinverter (one micro for two series-connected PV modules) and provides self phase balancing and neutral sensing for phase loss protection.



Reliable

- Neutral sensing for phase loss protection
- Locking type connectors
- Rated for outdoor, wet environments, sunlight resistance, and oil resistance

Easy

- Self phase balancing
- Lightweight and simple for fast installation
- Modularly expandable
- Reduction in balance-of-system costs and installation time
- Reach customer support within one minute¹

Field-Wireable Connectors

- Easily connect QD cables on the roof without complex wiring
- Available in male and female connector types
- UL listed (pending)

1. Average wait time for North America technical support was 0.8 minutes in Q1 2020.

Enphase QD Cable and Accessories

CONDUCTOR SPECIFICATIONS

| | |
|---------------------|--|
| Certification | UL3003 (raw cable), UL 9703 (cable assemblies), DG cable |
| Flame test rating | FT4 |
| Compliance | RoHS, OIL RES I, CE, UV resistant, combined UL for the United States |
| Conductor type | THHN/THWN-2 dry/wet |
| Disconnecting means | The AC and DC bulkhead connectors have been evaluated and approved by UL for use as the load-break disconnect required by NEC 690. |

QD CABLE TYPES / ORDERING OPTIONS

| Connectorized Models | Size / Max Nominal Voltage | Connector Spacing | PV Module Orientation | Connector Count per Box |
|----------------------|----------------------------|-------------------|--|-------------------------|
| QD-12-10-150 | 12 AWG / 277 VAC | 1.4 m (4.5 ft) | Portrait | 150 |
| QD-12-20-135 | 12 AWG / 277 VAC | 2.4 m (7.8 ft) | Landscape | 135 |
| QD-12-42-63 | 12 AWG / 277 VAC | 4.6 m (15.1 ft) | Landscape ballast, east-west mount structure | 63 |

ENPHASE QD CABLE ACCESSORIES

| Name | Model Number | Description |
|-----------------------------------|---------------|---|
| Raw QD Cable | QD-12-RAW-300 | 300 meters of 12 AWG cable with no connectors |
| Field wireable connector (male) | QD-CONN-10M | Male field wireable AC connector for raw QD cable |
| Field wireable connector (female) | QD-CONN-10F | Female field wireable AC connector for raw QD cable |
| Disconnect tool | QD-DISC-10 | Disconnect tool for QD Cable connectors, DC connectors, and AC module mount |
| QD Cable sealing caps (female) | QD-SEAL-10 | One needed to cover each unused connector on the cabling |
| Cable clip | Q-CLIP-100 | Used to fasten cabling to the racking or to secure looped cabling |
| Terminator | QD-TERM-10 | Terminator for unused cable ends |
| Center tap adapter cable | QD-LINKFW-10 | Link adapter cable for center tapping of QD cable when using QD-12-42-63 |

| | | | |
|---|--|--|---|
|  | FIELD WIREABLE CONNECTOR (M) Male field wireable AC connector, sold in packs of ten (QD-CONN-10M) |  | FIELD WIREABLE CONNECTOR (F) Female field wireable AC connector, sold in packs of ten (QD-CONN-10F) |
|  | TERMINATOR Terminator cap for unused cable ends, sold in packs of ten. Center feed requires two per branch. (QD-TERM-10) |  | SEALING CAPS Female sealing caps for unused cable connections, sold in packs of ten (QD-SEAL-10) |
|  | DISCONNECT TOOL Plan to use at least one per installation, sold in packs of ten (QD-DISC-10) |  | CABLE CLIP Used to fasten cabling to the racking or to secure looped cabling, sold in packs of one hundred (Q-CLIP-100) |

To learn more about Enphase offerings, visit enphase.com