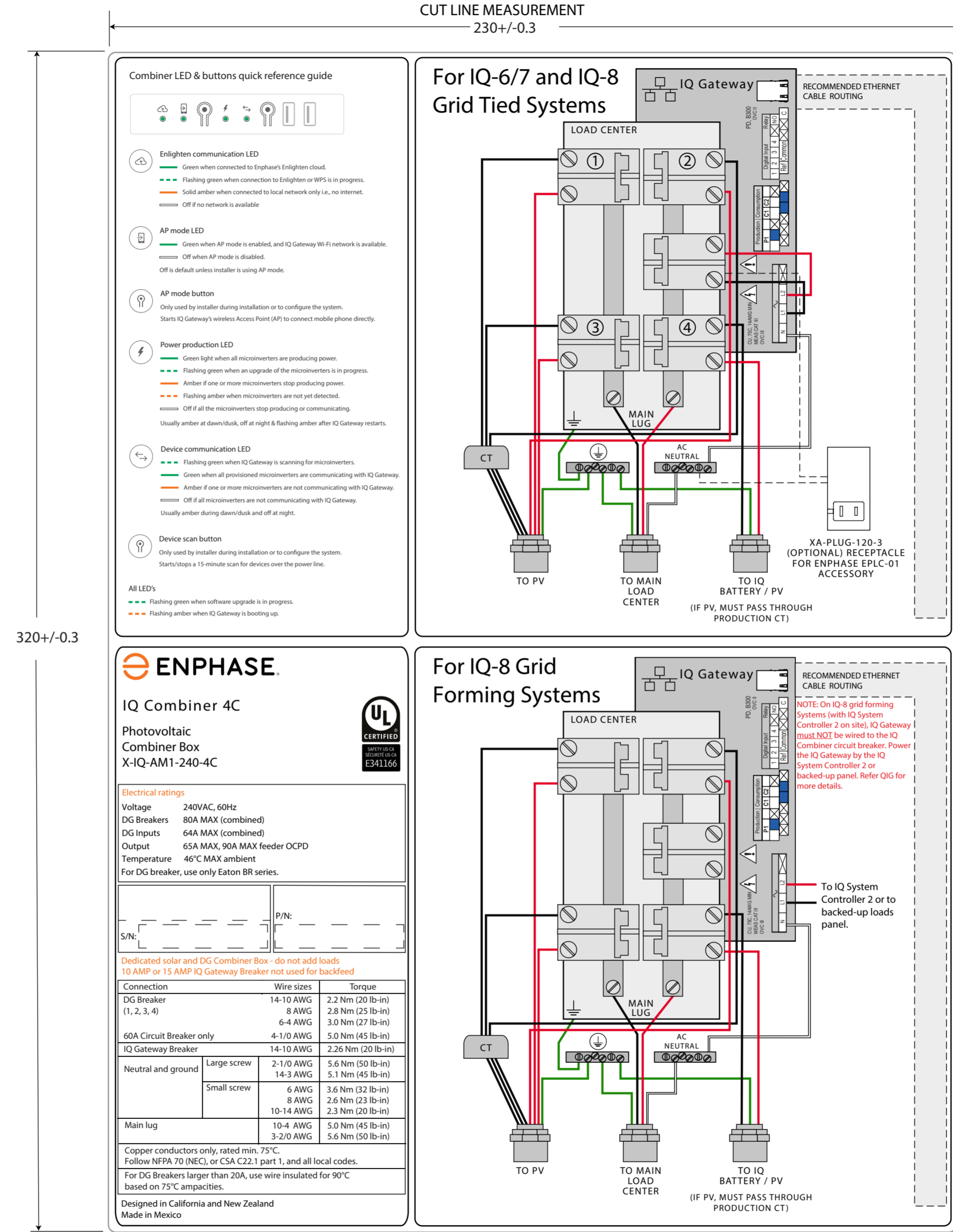


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| REV | DESCRIPTION | CHKD | DATE |
|-----|--|------|-----------|
| 01 | ECO-005055 - INITIAL RELEASE | MN | 30-DEC-20 |
| 02 | ECO-005204 - Modify Label - Changed SKU name | MN | 16-MAR-21 |
| 03 | Beta Feedback (ACCB-78)Update - ECO-005711 | RS | 15-OCT-21 |
| 04 | ECO-005838 Resolution of JIRA ticket ACCB-72 | RS | 14-DEC-21 |
| 05 | ECO-006010 PRODUCT NAME MODIFICATIONS | RS | 23-FEB-22 |
| 06 | ECO-006051 TORQUE VALUES UPDATED | RS | 22-MAR-22 |



Combiner LED & buttons quick reference guide

- Enlighten communication LED**
 - Green when connected to Enphase's Enlighten cloud.
 - Flashing green when connection to Enlighten or WPS is in progress.
 - Solid amber when connected to local network only i.e., no internet.
 - Off if no network is available.
- AP mode LED**
 - Green when AP mode is enabled, and IQ Gateway Wi-Fi network is available.
 - Off when AP mode is disabled.
 - Off is default unless installer is using AP mode.
- AP mode button**
 - Only used by installer during installation or to configure the system.
 - Starts IQ Gateway's wireless Access Point (AP) to connect mobile phone directly.
- Power production LED**
 - Green light when all microinverters are producing power.
 - Flashing green when an upgrade of the microinverters is in progress.
 - Amber if one or more microinverters stop producing power.
 - Flashing amber when microinverters are not yet detected.
 - Off if all the microinverters stop producing or communicating.
 - Usually amber at dawn/dusk, off at night & flashing amber after IQ Gateway restarts.
- Device communication LED**
 - Flashing green when IQ Gateway is scanning for microinverters.
 - Green when all provisioned microinverters are communicating with IQ Gateway.
 - Amber if one or more microinverters are not communicating with IQ Gateway.
 - Off if all microinverters are not communicating with IQ Gateway.
 - Usually amber during dawn/dusk and off at night.
- Device scan button**
 - Only used by installer during installation or to configure the system.
 - Starts/stops a 15-minute scan for devices over the power line.

All LED's

- Flashing green when software upgrade is in progress.
- Flashing amber when IQ Gateway is booting up.

ENPHASE

IQ Combiner 4C

Photovoltaic Combiner Box
X-IQ-AM1-240-4C

UL CERTIFIED
SAFETY LISTED SYSTEMS EPCA E341166

Electrical ratings

Voltage 240VAC, 60Hz
 DG Breakers 80A MAX (combined)
 DG Inputs 64A MAX (combined)
 Output 65A MAX, 90A MAX feeder OCPD
 Temperature 46°C MAX ambient
 For DG breaker, use only Eaton BR series.

S/N: _____ P/N: _____

Dedicated solar and DG Combiner Box - do not add loads
10 AMP or 15 AMP IQ Gateway Breaker not used for backfeed

| Connection | Wire sizes | Torque |
|--------------------------|-----------------------------|---|
| DG Breaker (1, 2, 3, 4) | 14-10 AWG | 2.2 Nm (20 lb-in) |
| | 8 AWG | 2.8 Nm (25 lb-in) |
| | 6-4 AWG | 3.0 Nm (27 lb-in) |
| 60A Circuit Breaker only | 4-1/0 AWG | 5.0 Nm (45 lb-in) |
| IQ Gateway Breaker | 14-10 AWG | 2.26 Nm (20 lb-in) |
| | Large screw | 2-1/0 AWG 5.6 Nm (50 lb-in) 14-3 AWG 5.1 Nm (45 lb-in) |
| Neutral and ground | Large screw | 2-1/0 AWG 5.6 Nm (50 lb-in) |
| | | 14-3 AWG 5.1 Nm (45 lb-in) |
| | Small screw | 6 AWG 3.6 Nm (32 lb-in) |
| | | 8 AWG 2.6 Nm (23 lb-in) |
| Main lug | 10-4 AWG 5.0 Nm (45 lb-in) | |
| | 3-2/0 AWG 5.6 Nm (50 lb-in) | |

Copper conductors only, rated min. 75°C.
 Follow NFPA 70 (NEC), or CSA C22.1 part 1, and all local codes.
 For DG Breakers larger than 20A, use wire insulated for 90°C based on 75°C ampacities.

Designed in California and New Zealand
 Made in Mexico

- NOTES:
- MATERIAL: 3M 7871 POLYESTER BASE MATERIAL, 3M ADHESIVE - 350 HIGH BONDING ACRYLIC ADHESIVE WITH CLEAR OVERLAY ON FRONT.
 - COLOR: BACKGROUND WHITE, BLACK C, RED C, GREEN C.
 - USE UV RESISTANT INK
 - COMPLETED LABELS TO BE PACKAGED WITH PART NUMBER AND REVISION, MFG CODE AND DATE.
 - SUBMIT ALL ARTWORK PROOFS FOR APPROVAL PRIOR TO PRINTING.
 - LABEL MUST BE UL RECOGNIZED (PGDQ2) AND CSA ACCEPTED AS SUITABLE FOR OUTDOOR USE AT TEMPERATURES FROM -40°C TO +65°C AND SUITABLE FOR THE SURFACE TO BE APPLIED (PER UL RECOGNIZED COMPONENT DIRECTORY). EACH LABEL MUST BE MARKED WITH VENDOR'S MARK AS DEFINED IN THE CSA LIST OF ACCEPTED ADHESIVE-TYPE NAMEPLATES. THE SMALLEST SHIPPING PACKAGE MUST BE MARKED WITH SUPPLIER'S NAME AND UL DESIGNATION.
 - FINISHED PART MUST BE ROHS COMPLIANT (EU ROHS DIRECTIVE 2015/863/EU). MANUFACTURER WILL BE REQUIRED TO CERTIFY ROHS COMPLIANCE. IF THERE IS A CONFLICT BETWEEN THE SPECIFICATIONS AND ROHS COMPLIANCE, THE VENDOR MUST CONTACT ENPHASE FOR CLARIFICATION.
 - ALL DIMENSIONS ARE IN MILLIMETERS.

CUT LINE - DO NOT PRINT

| APPROVALS | DATE | ENPHASE | | |
|----------------------|-------------|---|---|--------------|
| DESIGNED BY: M. Nagy | 30-DEC-2020 | | | |
| DRAWN BY: _____ | DD-MONTH-YY | | | |
| CHECKED BY: _____ | DD-MONTH-YY | | | |
| | | Wiring Diagram Label AC Combiner Box 4C - MX | THIRD ANGLE PROJECTION DO NOT SCALE THIS DRAWING | SHEET 1 OF 1 |