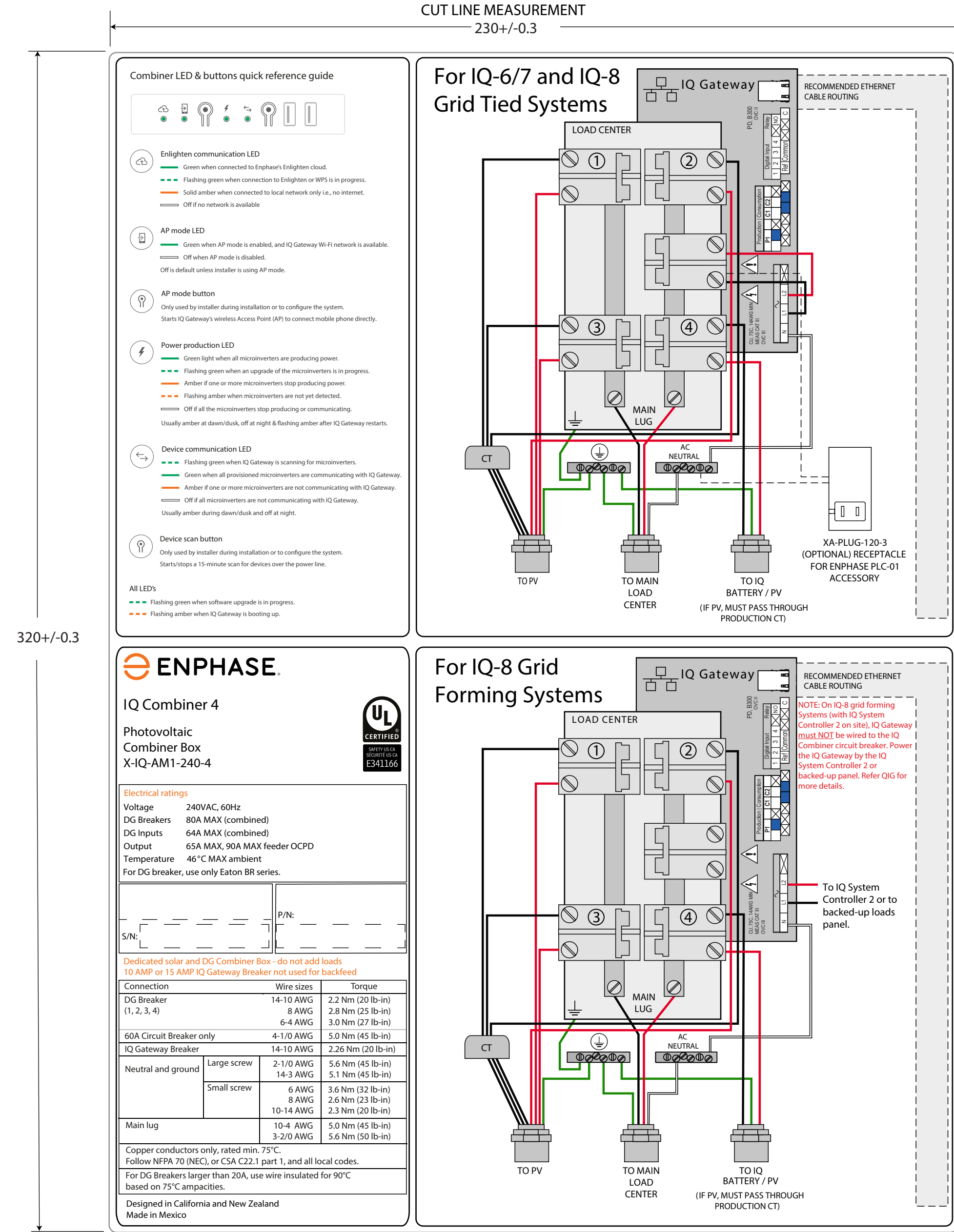


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REV	DESCRIPTION	CHKD	DATE
01	ECO-005177 - INITIAL RELEASE	HW	08-APR-21
02	Beta Feedback (ACCB-78)Update - ECO-005711	RS	14-OCT-21
03	ECO-005838 Resolution of JIRA ticket ACCB-72	RS	14-DEC-21
04	ECO-006010 Product name modifications	RS	23-FEB-22
05	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 4**

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

**UL CERTIFIED**  
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.

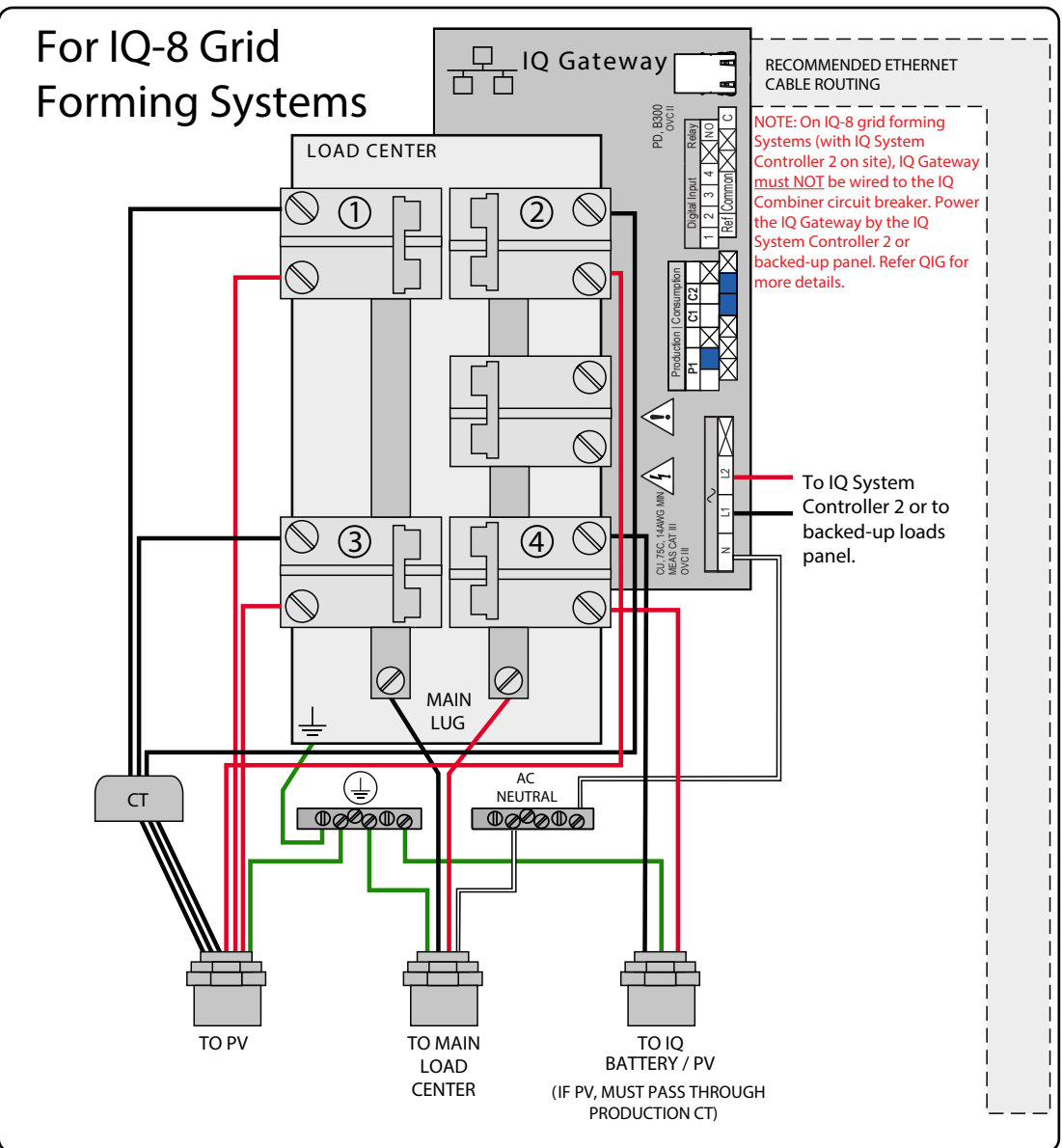
S/N: \_\_\_\_\_ P/N: \_\_\_\_\_

**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)
Neutral and ground	Large screw	2-1/0 AWG 5.6 Nm (45 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) 10-14 AWG 2.3 Nm (20 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	
DESIGN: HENRY W	08-APR-2021		
ENGR:			
		<b>Wiring Diagram Label</b> <b>AC Combiner Box 4 - MX</b>	
THIRD ANGLE PROJECTION	SCALE: C (A2)	780-00674	REV 05
DO NOT SCALE THIS DRAWING		SHEET 1 OF 1	