









All LED's
 --- Flashing green when software upgrade is in progress.
 --- Flashing amber when IQ Envoys is booting up.

ENPHASE
 IQ Combiner 3 ES
 Photovoltaic
 Combiner Box
 X-IQ-AM1-240-3-ES

UL CERTIFIED
 SAFETY US CA
 SECURITE US CA
 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 breakers use only Eaton BR series

S/N: **202147063882**
 P/N: **883-00820 15**

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

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

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.



