

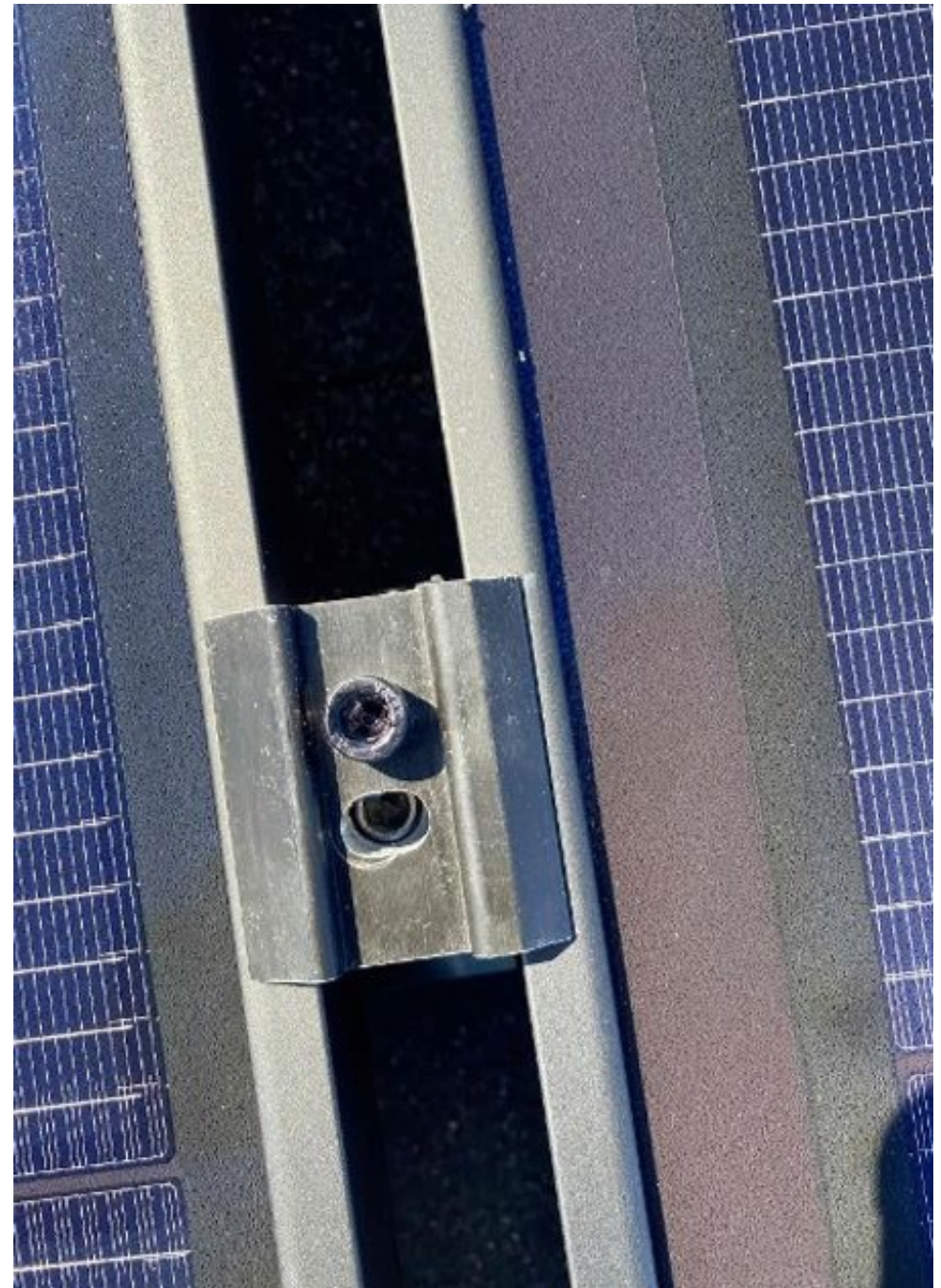








 REC Alpha Pure-R Series REC420AA Pure-R Serial Number: FBB-7005391841		Phone: +65 6405 8228 www.recgroup.com	
Power Output (Pmax)	420 W	 <ul style="list-style-type: none"> Conforms to UL Std. E1739-1-3 Certified to CSA Std. C22.3M51730-1-3 UL Fire Rating Type II* 	 <ul style="list-style-type: none"> REC 81219-2016 REC 81739-2016
Power Class Sorting	0/+10 W		
Power Production Tolerance	+/- 3 %	 	Manufactured: 11.08.2023
Rated Voltage (Vmpp)	50.0 V		
Rated Current (Impp)	8.40 A	    	
Open Circuit Voltage (Voc) (+/- 3%)	59.4 V	<p>Warning electrical hazard. This module produces electricity when exposed to light. CAUTION: DO NOT DISCONNECT UNDER LOAD</p> <p>Attention: Risque de choc électrique. Ce module solaire produit de l'électricité lorsqu'il est exposé à la lumière. ATTENTION: NE PAS DECONNECTER SOUS TENSION</p>	
Short Circuit Current (Isc) (+/- 3%)	8.89 A	<p>Sold connections, use min. 4 mm² 12 AWG UL PV wires insulated for a min. of 90°C</p> <p>Sole in Singapore by REC SOLAR PTE. LTD. 1405 SOUTH AVENUE 14, SINGAPORE 637312, SINGAPORE</p>	
Maximum System Voltage (Vsys)	1000 V	<p>Storage Contact: REC Solar EMEA GmbH 8420 71a, 81541 München, Germany, Tel: +49 (0)89-442-38290 other regions see: www.recgroup.com/contact</p>	
Maximum Series Fuse (DC) (UL)	25 A		
Maximum Series Fuse (DC) (IEC)	25 A		
Design Load	+4886 / -2666 Pa*		
Maximum Test Load	+7000 / -4000 Pa*		
<small>*Values at STC: 1000 W/m² AMF 1.5, cell temp 25°C</small>			













**Photovoltaic
Combiner Box**

X2-IQ-AM1-240-4
IEEE1547:2018 COMPLIANT

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.

CERTIFIED
SAFETY/SCA
SENDER/US/CA
E341166

S/N: **202335069837**

P/N: **883-00353 17**

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 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)
IQ Gateway Breaker	14-10 AWG	2.26 Nm (20 lb-in)
	2-1/0 AWG	5.6 Nm (45 lb-in)
Neutral and ground	14-3 AWG	5.1 Nm (45 lb-in)