

COMPATIBLE WITH MLPE

430 20.7 22.3% EFFICIENCY

WP







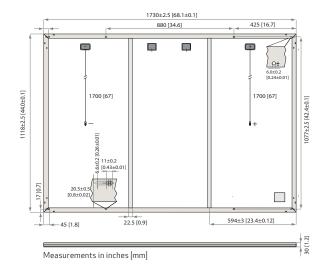
Dimensions:

Weight:

Origin:

GENERAL DATA 80 half-cut REC bifacial, heterojunction cells with Cell type: lead-free, gapless technology $0.13\,in (3.2\,mm)\,solar\,glass\,with\,anti-reflective\,surface\,treatment$ Glass: in accordance with EN 12150 Backsheet: Highly resistant polymer (black) Frame: Anodized aluminum (black) 4-part, 4 bypass diodes, lead-free Junction box: Stäubli MC4 PV-KBT4/KST4 (4 mm²) Connectors: in accordance with IEC 62852, IP68 only when connected $12 \text{ AWG } (4 \text{ mm}^2) \text{ PV wire, } 67 + 67 \text{ in } (1.7 + 1.7 \text{ m})$ Cable: in accordance with EN 50618

 $68.1 \times 44.0 \times 1.2 \text{ in} (20.77 \text{ ft}^2) / 1730 \times 1118 \times 30 \text{ mm} (1.93 \text{ m}^2)$



ELECTRICAL DATA		Product Code*: RI	ECxxxAA PURE-I	₹
Power Output - P _{MAX} (Wp)	400	410	420	430
Watt Class Sorting - (W)	0/+10	0/+10	0/+10	0/+10
Nominal Power Voltage - $V_{MPP}(V)$	48.8	49.4	50.0	50.5
Nominal Power Current - $I_{MPP}(A)$	8.20	8.30	8.40	8.52
Open Circuit Voltage - V _{oc} (V)	58.9	59.2	59.4	59.7
$ShortCircuitCurrent\text{-}I_{SC}(A)$	8.73	8.81	8.89	8.97
Power Density (W/ft²)	207	212	218	223
Panel Efficiency (%)	20.7	21.2	21.8	22.3
Power Output - P _{MAX} (Wp)	305	312	320	327
Nominal Power Voltage - $V_{MPP}(V)$	46.0	46.6	47.1	47.6
Nominal Power Current - $I_{MPP}(A)$	6.64	6.70	6.78	6.88
Open Circuit Voltage - V _{oc} (V)	55.5	55.8	56.0	56.3
$ShortCircuitCurrent\text{-}I_{SC}(A)$	7.05	7.12	7.18	7.24

47.4 lbs (21.5 kg)

Made in Singapore

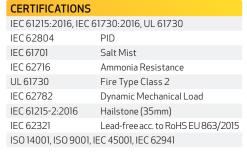
with a tolerance of P_{MW} V_{OC} & I_{S} ± $\frac{2}{3}$ % within one watt class. Nominal module operating temperature (NMOT: air mass AM1.5, irradiance 800 W/m², temperature 68°F (20°C), windspeed 3.3 ft/s (1 m/s).* Where xxx indicates the nominal power class (P_{MW}) at STC above.

MAXIMUM RATINGS		
Operational temperature:	-40+85°C	
System voltage:	1000 V	
Test load (front):	+7000 Pa (146 lbs/ft²)*	
Test load (rear):	-4000 Pa (83.5 lbs/ft²)*	
Series fuse rating:	25 A	
Reverse current:	25 A	
*See installation manual for mounting instructions.		

Design load = Test load / 1.5 (safety factor)

WARRANTY				
	Standard	REC ProTrust		
Installed by an REC Certified Solar Professional	No	Yes	Yes	
System Size	All	≤25 kW	25-500 kW	
Product Warranty (yrs)	20	25	25	
Power Warranty (yrs)	25	25	25	
Labor Warranty (yrs)	0	25	10	
Power in Year 1	98%	98%	98%	
Annual Degradation	0.25%	0.25%	0.25%	
Power in Year 25	92%	92%	92%	
See warranty documents for details. Conditions apply				

Available from:











TEMPERATURE RATINGS*	
NominalModuleOperatingTemperature:	44°C (±2°C)
Temperature coefficient of P_{MAX} :	-0.26 %/°C
Temperature coefficient of V_{oc} :	-0.24 %/°C
Temperature coefficient of I_{SC} :	0.04 %/°C

*The temperature coefficients stated are linear values

DELIVERY INFORMATION	
Panels per pallet:	33
Panels per 40 ft GP/high cube container:	858 (26 pallets)
Panels per 53 ft truck:	858 (26 pallets)

LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:

