

COMPATIBLE WITH MLPE

430 20.7 22.3% EFFICIENCY

WP









GENERAL DATA				
Cell type:	80 half-cut REC bifacial, heterojunction cells with lead-free, gapless technology			
Glass:	$0.13 in (3.2 mm) solar glass with anti-reflective surface treatment\\in accordance with EN12150$			
Backsheet:	Highly resistant polymer (black)			
Frame:	Anodized aluminum (black)			
Junction box:	4-part, 4 bypass diodes, lead-free IP68 rated, in accordance with IEC 62790			
Connectors:	$St\"{a}ubliMC4PV\text{-}KBT4/KST4(4mm^2)\\inaccordancewithIEC62852,IP68onlywhenconnected$			
Cable:	12 AWG (4 mm²) PV wire, 67 + 67 in (1.7 + 1.7 m) in accordance with EN 50618			
Dimensions:	$68.1x44.0x1.2\text{in}(20.77\text{ft}^2)/1730x1118x30\text{mm}(1.93\text{m}^2)$			
Weight:	47.4 lbs (21.5 kg)			
Origin:	Made in Singapore			

	1730±2.5 [68.1±0.1] 880 [34.6]	425 [16.7]		
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45 [1.8]	22.5 [0.9]	594±3 [23.4±0.12]		
Measurements in inches [mm]				

	ELECTRICAL DATA		Product Code*: RE	CxxxAA PURE-F	₹
,	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
	${\sf NominalPowerCurrent-I}_{\sf MPP}({\sf A})$	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
	${\sf NominalPowerCurrent-I_{MPP}(A)}$	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

with a tolerance of P_{MAX} , V_{OC} & I_{SC} ± 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_{MAX}) 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			

CERTIFICATIONS		
IEC 61215:2016, IEC 61730:2016, UL 61730		
IEC 62804	PID	
IEC 61701	Salt Mist	
IEC 62716	Ammonia Resistance	
UL 61730	Fire Type Class 2	
IEC 62782	Dynamic Mechanical Load	
IEC 61215-2:2016	Hailstone (35mm)	
IEC 62321	Lead-free acc. to RoHS EU 863/2015	
ISO 14001, ISO 9001,	EC 45001, IEC 62941	











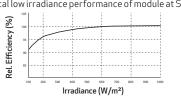
TEMPERATURE RATINGS*	
NominalModuleOperatingTemperature:	44°C (±2°C)
Temperature coefficient of P_{MAX} :	-0.26 %/°C
Temperature coefficient of V_{oc} :	-0.24 %/°C
Temperature coefficient of I _{sc} :	0.04 %/°C

*The temperature coefficients stated are linear values

DELIVERY INFORMATION	
Panels per pallet:	33
Panels ner 40 ft GP/high cube container	858 (26 nallets)



Typical low irradiance performance of module at STC:



Available from:



Ref: PM-DS-12-06-Rev-B 08.22