SOLAR'S MOST TRUSTED







400wp 20.3 W/FT2



ELIGIBLE



EXPERIENCE PERFORMANCE Measurements in mm [in]

132 half-cut REC heterojunction cells Stäubli MC4PV-KBT4/KST4,12AWG (4mm²) Cell type: with lead-free, gapless technology Connectors: in accordance with IEC 62852 6 strings of 22 cells in series IP68 only when connected 0.13 in (3.2 mm) solar glass with 12 AWG (4 mm²) PV wire, 43+47 in (1.1+1.2 m) Glass: Cable: anti-reflection surface treatment accordance with EN 50618 Backsheet: Highly resistant polymer (black) $71.7 \times 40 \times 1.2 \text{ in} (1821 \times 1016 \times 30 \text{ mm})$ Dimensions: Frame: Anodized aluminum (black) Weight: 45 lbs (20.5 kg) 3-part, 3 bypass diodes, IP67 rated Made in Singapore Junction box: Origin: in accordance with IEC 62790

e	ELECTRICAL DATA	Prod	uct Code*: R	ECxxxAA P	ure Black	
	Power Output - P _{MAX} (Wp)	385	390	395	400	405
STC	Watt Class Sorting - (W)	0/+5	0/+5	0/+5	0/+5	0/+5
	Nominal Power Voltage - $V_{MPP}(V)$	41.2	41.5	41.8	42.1	42.4
	Nominal Power Current - I _{MPP} (A)	9.35	9.40	9.45	9.51	9.56
	Open Circuit Voltage - V _{oc} (V)	48.5	48.6	48.7	48.8	48.9
	Short Circuit Current - I _{SC} (A)	9.99	10.03	10.07	10.10	10.14
	Power Density (W/sq ft)	19.3	19.6	19.8	20.1	20.3
NMOT	Panel Efficiency (%)	20.8	21.1	21.3	21.6	21.9
	Power Output - P _{MAX} (Wp)	293	297	301	305	309
	Nominal Power Voltage - $V_{MPP}(V)$	38.8	39.1	39.4	39.7	40.0
	Nominal Power Current - I _{MPP} (A)	7.55	7.59	7.63	7.68	7.72
	Open Circuit Voltage - V _{oc} (V)	45.7	45.8	45.9	46.0	46.1
	Short Circuit Current - I _{sc} (A)	8.07	8.10	8.13	8.16	8.19

Values at standard test conditions (STC: air mass AM1.5, irradiance 10.75 W/sq ft (1000 W/m²), temperature 77°F (25°C), based on a production spread with a tolerance of P_{MAX} V_{Cc} & V_{cc} &

CERTIFICATIONS

IEC 61215:2016, IEC 61730:2016, UL 61730 (Pending)
ISO14001:2004, ISO 9001:2015, OHSAS18001:2007, IEC 62941









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

MAXIMUM RATINGS

Operational temperature:	-40 +185°F (-40 +85°C)		
Maximum system voltage:	1000 V		
Maximum test load (front):	+7000 Pa (146 lbs/sq ft)*		
Maximum test load (rear):	- 4000 Pa (83.5 lbs/sq ft)*		
Max series fuse rating:	25 A		
Max reverse current:	25 A		

*See installation manual for mounting instructions. Design load = Test load / 1.5 (safety factor)

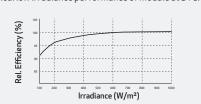
TEMPERATURE RATINGS*

Nominal Module Operating Temperature:	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

LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:



₩ BEC



