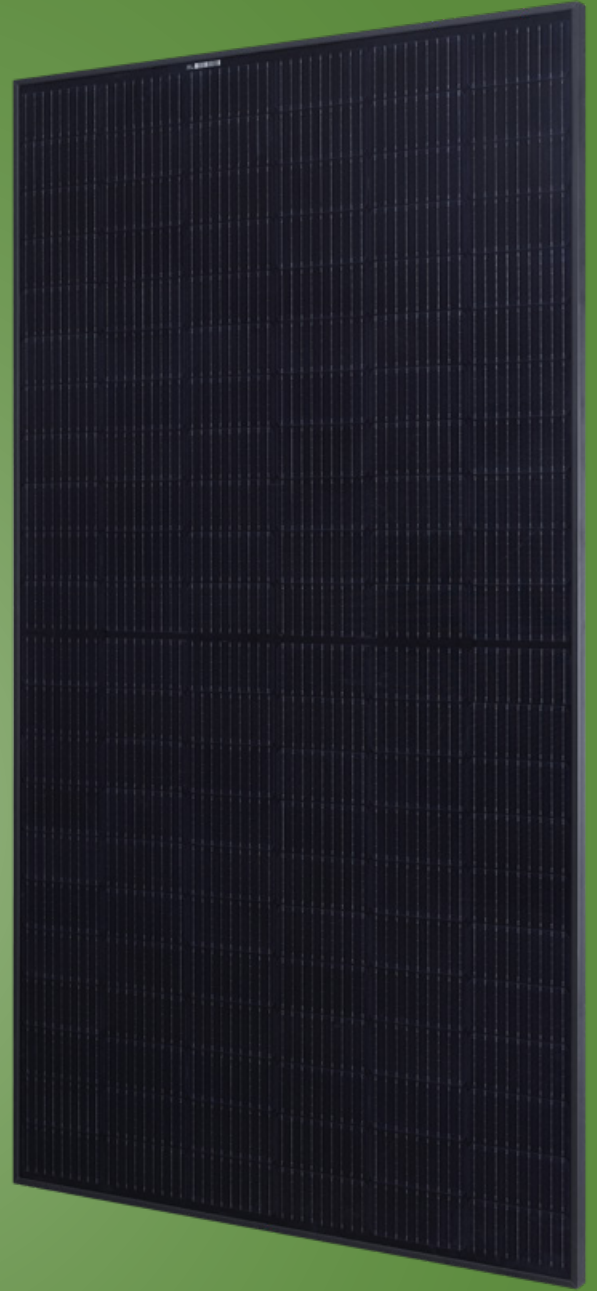


# REC TWINPEAK 5 BLACK SERIES

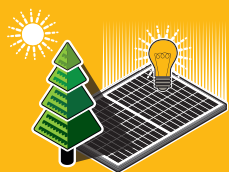
## PREMIUM SOLAR PANELS WITH SUPERIOR PERFORMANCE

REC TwinPeak 5 Black Series solar panels feature an aesthetically-pleasing full-black design with high panel efficiency and power output, enabling customers to get the most out of the space used for the installation.

Combined with industry-leading product quality and the reliability of a strong and established European brand, REC TwinPeak 5 Black Series panels are ideal for residential and commercial rooftops worldwide.



**MORE POWER  
OUTPUT PER M<sup>2</sup>**



**FEATURING REC'S PIONEERING  
TWIN DESIGN**



**100%  
PID FREE**



**SUPER-STRONG  
FRAME**



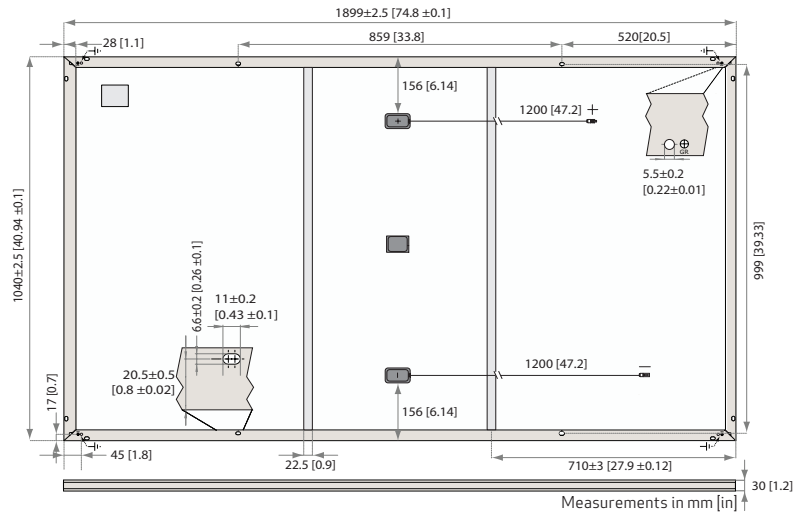
**ELIGIBLE**

# REC TWINPEAK 5 BLACK SERIES

## PRODUCT SPECIFICATIONS

### GENERAL DATA

Cell type:	132 half-cut mono c-Si p-type cells, 6 strings of 22 cells in series
Glass:	3.2 mm solar glass with anti-reflective surface treatment in accordance with EN 12150
Backsheet:	Highly resistant polymer (black)
Frame:	Anodized aluminum (black) with silver support bars
Junction box:	3-part, 3 bypass diodes, lead-free IP68 rated, in accordance with IEC 62790
Connectors:	Stäubli MC4 PV-KBT4/KST4 (4 mm <sup>2</sup> ) in accordance with IEC 62852, IP68 only when connected
Cable:	4 mm <sup>2</sup> solar cable, 1.2 m + 1.2 m in accordance with EN 50618
Dimensions:	1899 x 1040 x 30 mm (1.97 m <sup>2</sup> )
Weight:	21.6 kg
Origin:	Made in Singapore



### ELECTRICAL DATA

#### Product Code\*: RECxxxTP5 Black

	390	395	400	405	410
Power Output - P <sub>MAX</sub> (Wp)	390	395	400	405	410
Watt Class Sorting - (W)	0/+5 W	0/+5 W	0/+5 W	0/+5 W	0/+5 W
Nominal Power Voltage - V <sub>MPP</sub> (V)	36.8	37.2	37.6	38.0	38.3
Nominal Power Current - I <sub>MPP</sub> (A)	10.60	10.62	10.64	10.67	10.71
Open Circuit Voltage - V <sub>OC</sub> (V)	44.8	44.9	45.0	45.1	45.2
Short Circuit Current - I <sub>SC</sub> (A)	11.31	11.35	11.39	11.43	11.47
Panel Efficiency (%)	19.8	20.1	20.3	20.6	20.8
<hr/>					
Power Output - P <sub>MAX</sub> (Wp)	295	298	302	306	310
Nominal Power Voltage - V <sub>MPP</sub> (V)	34.4	34.8	35.2	35.5	35.8
Nominal Power Current - I <sub>MPP</sub> (A)	8.56	8.58	8.59	8.62	8.65
Open Circuit Voltage - V <sub>OC</sub> (V)	41.9	42.0	42.1	42.2	42.3
Short Circuit Current - I <sub>SC</sub> (A)	9.13	9.17	9.20	9.23	9.27

Values at standard test conditions (STC: air mass AM1.5, irradiance 1000 W/m<sup>2</sup>, temperature 25°C), based on a production spread with a tolerance of P<sub>MAX</sub>, V<sub>OC</sub> & I<sub>SC</sub> ±3% within one watt class. Nominal module operating temperature (NMOT: air mass AM1.5, irradiance 800 W/m<sup>2</sup>, temperature 20°C, windspeed 1 m/s). \* Where xxx indicates the nominal power class (P<sub>MAX</sub>) at STC above.

### CERTIFICATIONS

IEC 61215:2016, IEC 61730:2016, UL 61730
IEC 62804 PID
IEC 61701 Salt Mist
IEC 62716 Ammonia Resistance
ISO 11925-2 Ignitability (Class E)
IEC 62782 Dynamic Mechanical Load
IEC 61215-2:2016 Hailstone (35mm)
ISO 14001, ISO 9001, IEC 45001, IEC 62941



### TEMPERATURE RATINGS\*

Nominal Module Operating Temperature:	44.6°C (±2°C)
Temperature coefficient of P <sub>MAX</sub> :	-0.34 %/°C
Temperature coefficient of V <sub>OC</sub> :	-0.26 %/°C
Temperature coefficient of I <sub>SC</sub> :	0.04 %/°C

\*The temperature coefficients stated are linear values

### MAXIMUM RATINGS

Operational temperature:	-40 ... +85°C
Maximum system voltage:	1000 V
Maximum test load (front):	+7000 Pa (713 kg/m <sup>2</sup> )*
Maximum test load (rear):	-4000 Pa (407 kg/m <sup>2</sup> )*
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)

### WARRANTY

	Standard	REC ProTrust
Installed by an REC Certified Solar Professional	No	Yes
System Size	All	≤25 kW 25-500 kW
Product Warranty (yrs)	20	25
Power Warranty (yrs)	25	25
Labor Warranty (yrs)	0	25
Power in Year 1	98%	98%
Annual Degradation	0.5%	0.5%
Power in Year 25	86%	86%

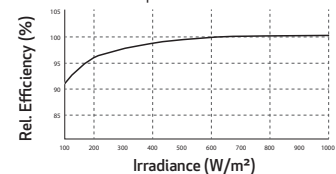
See warranty documents for details. Conditions apply

### DELIVERY INFORMATION

Panels per pallet:	33
Panels per 13.6 m truck:	858 (26 pallets)
Panels per 40 ft GP/high cube container:	792 (24 pallets)

### LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:



Available from: