

# REC TWINPEAK 4 BLACK SERIES

## PREMIUM SOLAR PANELS WITH SUPERIOR PERFORMANCE

REC TwinPeak 4 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 4 Black Series panels are ideal for residential and commercial rooftops worldwide.









PID FREE





**GENERAL DATA** 

Cell type:

Backsheet:

Junction box:

Connectors:

Glass:

Frame:

Cable:

120 half-cut mono c-Si p-type cells 6 strings of 20 cells in series

> 4 mm<sup>2</sup> solar cable, 1.1 m + 1.2 m in accordance with EN 50618

n accordance with IEC 62790

Stäubli MC4 PV-KBT4/KST4 (4 mm²) in accordance with IEC 62852 IP68 only when connected

3-part, 3 bypass diodes, IP68 rated

Origin: Made in Singapore

### MECHANICAL DATA

1755 x 1040 x 30 mm **Dimensions:** 1.83 m<sup>2</sup> Area: 20.0 kg Weight:

Operational temperature:	-40+85°C
Maximum system voltage:	1000 V
Maximum test load (front):	+7000 Pa (713 kg/m²) <sup>5</sup>
Maximum test load (rear):	-4000 Pa (407 kg/m²)
Max series fuse rating:	25 A
Max reverse current:	25 A
*Conjustallation ma	and for mounting instructions

Design load = Test load / 1.5 (safety factor)

#### **TEMPERATURE RATINGS\***

Nominal Module Operating Temperature: 44.6°C (±2°C) Temperature coefficient of P<sub>MAX</sub>: -0.34 %/°C Temperature coefficient of  $V_{oc}$ : -0.26 %/°C Temperature coefficient of I<sub>sc</sub>: 0.04 %/°C

The temperature coefficients stated are linear values

#### 1755±2.5 [69.10 ±0.1] 845 [33.27] 455 [17.91] 28 [1.1] 1100 [43.3] + (+) 5.5±0.2 [0.22±0.01] 1040±2.5 [40.94 ±0.1] 999 [39.33] 6.6±0.2 [0.26 ±0.1] 11±0.2 [0.43 ±0.1] -(#) 20.5±0.5 1200 [47.2] 17 [0.7] [0.8 ±0.02] 45 [1.8] 22.5 [0.9] 638 ±1 [25.1 ±0.04] 30 [1.2]

Measurements in mm [in]

ELECTRICAL DATA @ STC	Product code*: R	Product code*: RECxxxTP4 Black			
Nominal Power - P <sub>MAX</sub> (Wp)	355	360	365	370	
Watt Class Sorting-(W)	0/+5	0/+5	0/+5	0/+5	
Nominal Power Voltage - V <sub>MPP</sub> (V)	33.5	33.9	34.3	34.7	
Nominal Power Current - I <sub>MPP</sub> (A)	10.60	10.62	10.65	10.68	
Open Circuit Voltage - $V_{OC}(V)$	40.5	40.6	40.8	41.0	
$ShortCircuitCurrent-I_{SC}(A)$	11.19	11.26	11.32	11.38	
Panel Efficiency (%)	19.4	19.7	20.0	20.3	

Values at standard test conditions (STC: air mass AM1.5, irradiance 1000 W/m², temperature 25°C), based on a production spread with a tolerance of  $P_{\text{Max'}}V_{\text{oc}}\&l_{\text{lg}}$  ± 3% within one watt class. \*Where xxx indicates the nominal power class ( $P_{\text{Max'}}$ ) at STC above.

Product code*: RECxxxTP4 Black			
269	272	276	280
31.4	31.7	32.1	32.5
8.56	8.58	8.60	8.63
37.9	38.0	38.2	38.4
9.04	9.10	9.15	9.19
	269 31.4 8.56 37.9 9.04	269 272 31.4 31.7 8.56 8.58 37.9 38.0 9.04 9.10	Product code*: RECxxxTP4 Black         269       272       276         31.4       31.7       32.1         8.56       8.58       8.60         37.9       38.0       38.2         9.04       9.10       9.15

Nominal module operating temperature (NMOT: air mass AM 1.5, irradiance 800 W/m², temperature 20°C, windspeed 1 m/s). \*Where xxx indicates the nominal power class  $(P_{MAX})$  at STC above.

#### **CERTIFICATIONS**

IEC 61215:2016, IEC 61730:2016, UL 61730 (Pending) ISO 14001:2004, ISO 9001:2015, OHSAS 18001:2007, IEC 62941











WARRANTI			
	Standard	REC ProTrust	
Installed by an REC Certified Solar Professional	No	Yes	Yes
System Size	Any	≤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	0.5%	0.5%	0.5%
Power in Year 25	86%	86%	86%

See warranty documents for details. Some conditions apply.

#### **LOW LIGHT BEHAVIOUR**

Typical low irradiance performance of module at STC:



