

## MONO CRYSTALLINE MODULE

360 / 365 / 370 / 375 Watts

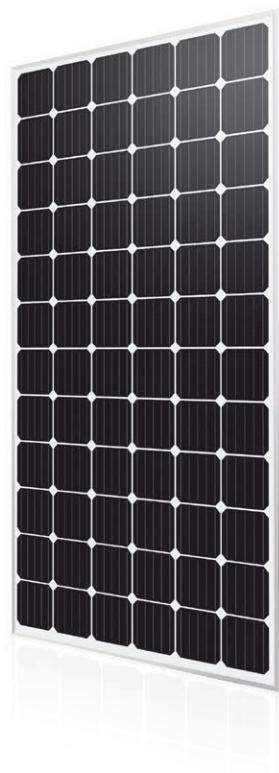
# Black Panther

## Overview

A fully certified, premium quality and high efficiency module made with A Grade materials. Guaranteed positive tolerance of up to 5W, providing a higher output compared to our leading competitors.

## Key Benefits

	Certified by Independent Engineering Bodies		Product Liability Insurance
	Engineered in EU		15 Years Limited Product Warranty
	Anti-PID Technology		Low Carbon Footprint



Guaranteed mechanical resistance to severe weather conditions



Guaranteed Positive Tolerance up to 5W

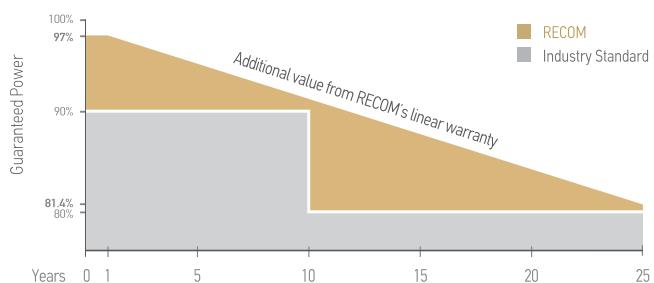


100 % electro-luminescence tested

## Tests, Certifications and Warranties

Standard Tests	UL1703, IEC 61215, IEC 61730
Factory Quality Tests	ISO 9001: 2008, ISO 14001: 2004
Certifications	Fire Rating Type 1, conformity to CE, PV CYCLE
Insurance	Product liability insurance provided by Allianz
Wind and Snow Loads Testing	Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal)
Positive Tolerance	Guaranteed positive tolerance of up to 5W
Junction Box	IP67 Rated, 3 diodes
Warranties	<ul style="list-style-type: none"> <li>15-year limited product warranty</li> <li>15-year manufacturer warranty on 88.55% of the nominal performance</li> <li>25-year transferable linear power output warranty</li> </ul>

## Linear Performance Warranty



First Year Output **≥ 97%**    2-24 Year Decline **≤ 0.65%**    25 Year Output **≥ 81.4%**

## MONO CRYSTALLINE MODULE

RCM-xxx-6MA (xxx=360-375)

### Electrical Characteristics

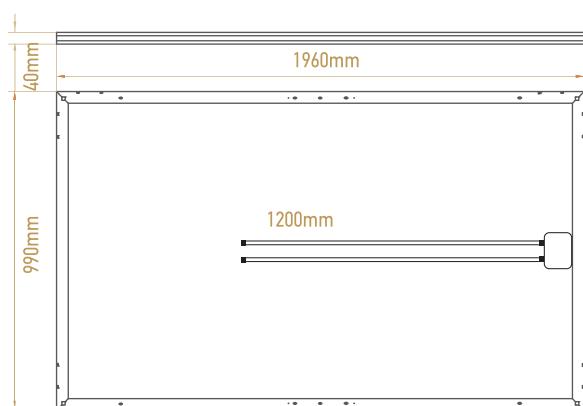
Rated Power	360W	365W	370W	375W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W
Maximum Power Voltage (Vm <sub>p</sub> )	39.00V	39.20V	39.40V	39.60V
Maximum Power Current (I <sub>m<sub>p</sub></sub> )	9.24A	9.31A	9.39A	9.47A
Open Circuit Voltage (V <sub>o<sub>c</sub></sub> )	47.67V	47.88V	48.09V	48.30V
Short Circuit Current (I <sub>s<sub>c</sub></sub> )	9.76A	9.84A	9.92A	10.04A
Module Efficiency	18.60%	18.80%	19.10%	19.30%
Maximum Series Fuse	15A	15A	15A	15A
Maximum System Voltage	1.000 VDC (IEC) - 1.000 VDC (UL) / 1.500 VDC (upon request)			

Tested at Standard Test Conditions. Measurement tolerances:  $\pm 3\%$

### Mechanical Data

Dimensions	1960mm x 990mm x 40mm
Weight	21.5 Kg
Frame	Aluminum Alloy
Front Glass	3.2mm ARC, low iron, tempered glass
Output Cables	TUV (2Pfg1169:2007), UL 4703, UL44 4.0mm <sup>2</sup> (0.006 in <sup>2</sup> ), symmetrical lengths (-) 1200mm and (+) 1200mm, MC4 type connectors

### Dimensions

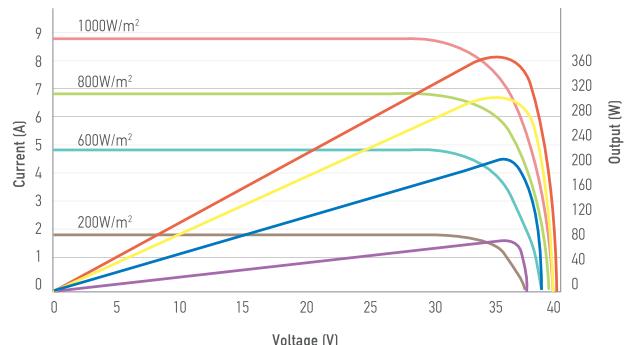


\*\*Release 2019-09, v6.3.

RECOM assumes no liability or responsibility for any typographical error, layout error, misinformation, any other error, omission, contained herein.

### I-V Curve

The module relative power loss at low light irradiance of 200W/m<sup>2</sup> is less than 3%.



### Temperature Characteristics

Pmax Temperature Coefficient	-0.40% / °C
V <sub>o<sub>c</sub></sub> Temperature Coefficient	-0.30% / °C
I <sub>s<sub>c</sub></sub> Temperature Coefficient	+0.06% / °C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45 ± 2 °C

### Packing Configuration

Container	40'HC
Pieces per Pallet	26
Pallets per Container	24
Pieces per Container	624