

MONO CRYSTALLINE MODULE

375 / 380 / 385 / 390 / 395 / 400 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



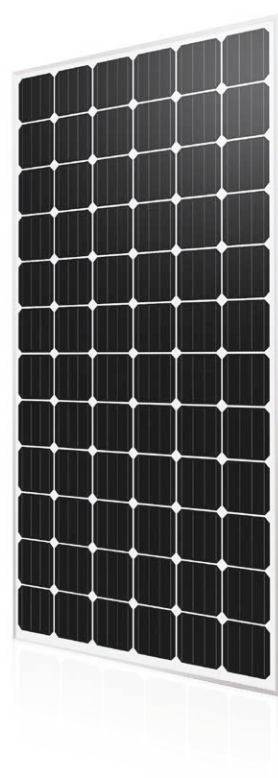
15 Years Limited Product Warranty



Anti-PID Technology



Low Carbon Footprint



Guaranteed mechanical resistance to severe weather conditions



Guaranteed Positive Tolerance up to 5W

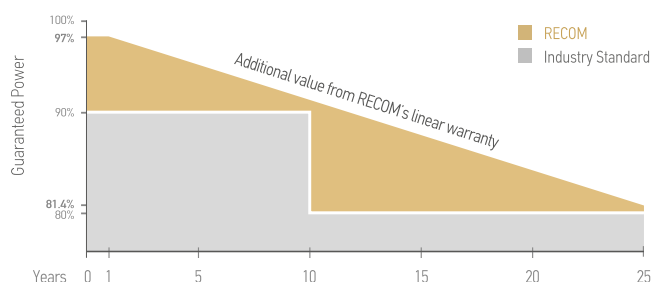


100 % electro-luminescence tested

Tests, Certifications and Warranties

Standard Tests	UL1703, IEC 61215, IEC 61730
Factory Quality Tests	ISO 9001: 2008, ISO 14001: 2004, ISO17025: 2005
Certifications	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	IP68 Rated, 3 diodes
Warranties	<ul style="list-style-type: none"> 15-year limited product warranty 15-year manufacturer warranty on 88.55% of the nominal performance 25-year transferable linear power output warranty

Linear Performance Warranty



First Year Output $\geq 97\%$ 2-24 Year Decline $\leq 0.65\%$ 25 Year Output $\geq 81.4\%$

MONO CRYSTALLINE MODULE
RCM-xxx-6MA (xxx=375-400)

Electrical Characteristics

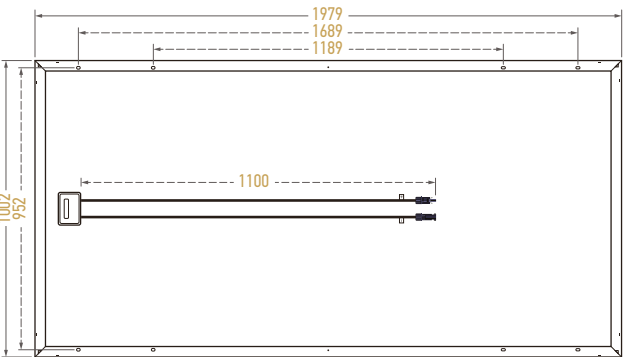
Rated Power	375W	380W	385W	390W	395W	400W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Maximum Power Voltage (Vmp)	40.20V	40.50V	40.80V	41.10V	41.40V	41.70V
Maximum Power Current (Imp)	9.33A	9.39A	9.44A	9.50A	9.55A	9.61A
Open Circuit Voltage (Voc)	48.80V	49.00V	49.20V	49.40V	49.60V	49.80V
Short Circuit Current (Isc)	9.68A	9.76A	9.89A	9.99A	10.09A	10.20A
Module Efficiency	18.91%	19.16%	19.42%	19.67%	19.93%	20.18%
Maximum Series Fuse	15A	15A	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: ± 3%

Mechanical Data

Dimensions	1979mm x 1002mm x 40mm
Weight	22.5 Kg
Frame	Anodized aluminum
Front Glass	3.2mm ARC, low iron, tempered glass
Output Cables	TUV (2Pfg1169:2007), UL 4703, UL44 4.0mm ² (0.006 in ²), symmetrical lengths (-) 1000mm and (+) 1000mm, MC4 type connectors

Dimensions



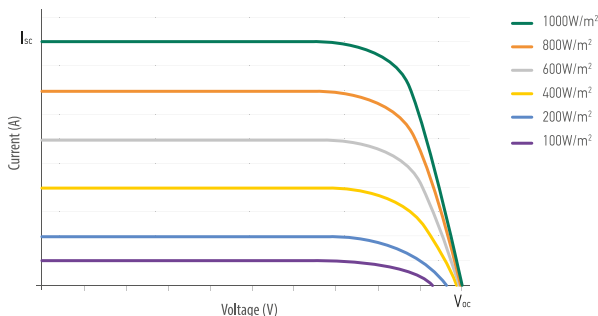
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I-V Curve

The module relative power loss at low light irradiance of 200W/m² is less than 3%.



Temperature Characteristics

Pmax Temperature Coefficient	-0.37% / °C
Voc Temperature Coefficient	-0.28% / °C
Isc Temperature Coefficient	+0.048% / °C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45 ± 2 °C

Packing Configuration

Container	40'HC
Pieces per Pallet	27
Pieces per Container	668