



MONO 72 Cells  
310, 315, 320, 325, 330



## Black Panther



Manufactured  
in EU



Anti-PID  
Technology



Proven by Independent  
Engineering Tests



Guaranteed  
Positive Power



## MONO 72 Cells

RCM-xxx-6MA (xxx=310-330)



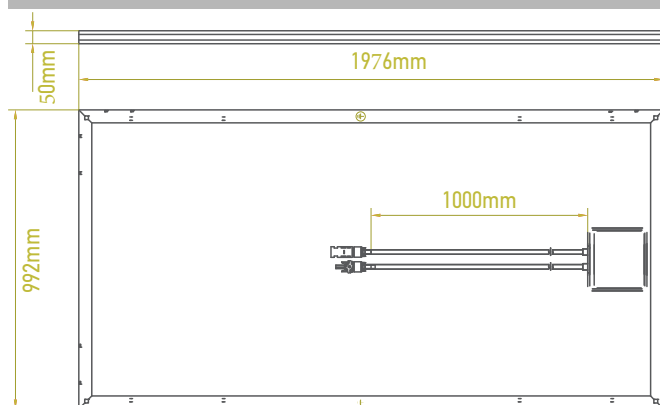
### Electrical Characteristics

Rated Power:	310W	315W	320W	325W	330W
Power Tolerance :	0%/+5W	0%/+5W	0%/+5W	0%/+5W	0%/+5W
Maximum Power Voltage (Vmp):	38.00V	38.20V	38.31V	38.43V	38.49V
Maximum Power Current (Imp):	8.23A	8.32A	8.42A	8.49A	8.61A
Open Circuit Voltage (Voc):	46.22V	46.49V	46.77V	46.99V	47.12V
Short Circuit Current (Isc):	8.61A	8.68A	8.75A	8.80A	8.86A
Module Efficiency	16.0%	16.2%	16.5%	16.8%	17.0%
Maximum Series fuse:	15A	15A	15A	15A	15A
Maximum System Voltage:	1000V DC(IEC) / 1000V DC(UL)				
Tested at Standard Test Conditions. Measurement tolerances: ± 3%					

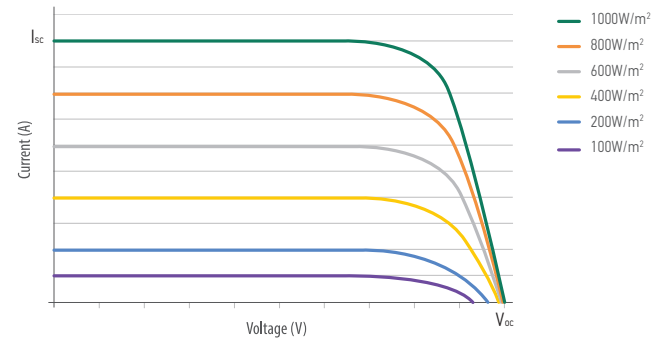
### Mechanical Data

Dimensions	1976mm x 992mm x 50mm
Frame	Anodized aluminum
Weight	24 kgs
Front Glass	3.2 mm AR low iron tempered glass
Output Cables:	TUV (2Pfg1169:2007), UL 4703, UL44 4.0 mm <sup>2</sup> (0.006 in <sup>2</sup> ), symmetrical lengths (-) 1000mm and (+) 1000 mm, MC4 type connectors

### Dimensions



### 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	-0.39% $\pm$ 0.02% / °C
Voc Temperature Coefficient	-0.31 $\pm$ 0.01% / °C
Isc Temperature Coefficient	+0.048% / °C
Operating Temperature	-40 ~ +85 °C
Nominal Operating Cell Temperature (NOCT)	45 $\pm$ 2 °C

### Packing Configuration

Container	20'GP	40'HC
Pieces per Pallet	26 or 24	26 or 24
Pallets per Container	10	22
Pieces per Container	260 or 240	572 or 528

### Tests, Certifications and Warranties

Standard tests	UL1703, IEC 61215, IEC 61730
Factory Quality tests	ISO 9001: 2008, ISO 14001: 2004, ISO17025: 2005
Certifications	Class C Fire Rating, conformity to CE, PV CYCLE
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>10-year limited product warranty</li> <li>25-year transferable linear power output warranty</li> </ul>

### LINEAR PERFORMANCE WARRANTY

