

RECOM

MONO
300, 305



Black Panther

 Manufactured
in EU

 Anti-PID
Technology

 Proven by Independent
Engineering Tests

 +  Guaranteed
Positive Power



MONO

RCM-xxx-6MB (xxx=300-305)

Electrical Characteristics

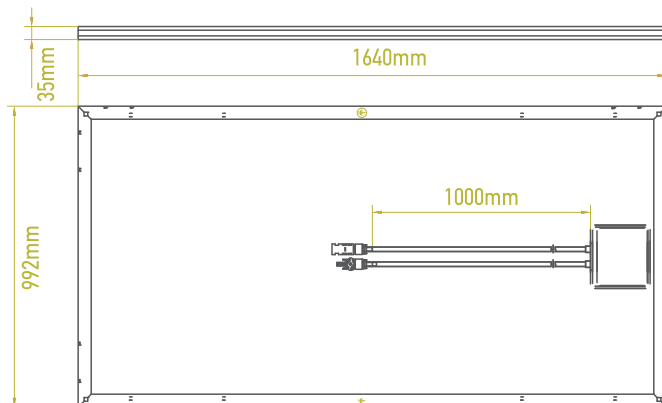
Rated Power:	300W	305W
Power Tolerance :	0%/+5W	0%/+5W
Maximum Power Voltage (Vmp):	31.20V	31.40V
Maximum Power Current (Imp):	9.63A	9.72A
Open Circuit Voltage (Voc):	39.40V	39.60V
Short Circuit Current (Isc):	9.97A	10.06A
Pmax (NOCT)	220W	225W
Module Efficiency	18.3%	18.6%
Maximum Series fuse:	15A	15A
Maximum System Voltage:	1000V DC(IEC) / 1000V DC(UL)	

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

Mechanical Data

Dimensions	1640mm x 992mm x 35mm
Frame	Anodized aluminum
Weight	19 kgs
Front Glass	3.2 mm AR low iron tempered glass
Output Cables:	TUV (2Pfg1169:2007), UL 4703, UL44 4.0 mm ² (0.006 in ²), symmetrical lengths (-) 1000mm and (+) 1000 mm, MC4 type connectors

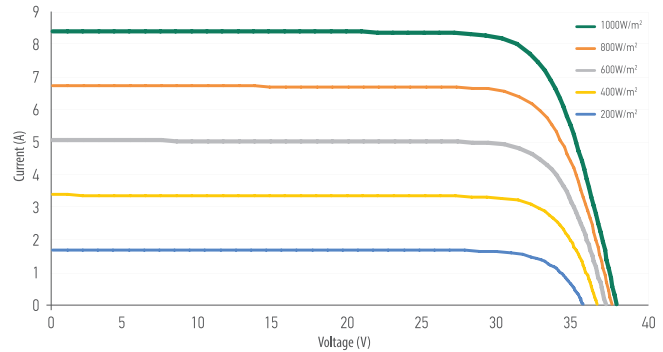
Dimensions



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IV Curve



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

Temperature Characteristics

Pmax Temperature Coefficient	-0.40% / °C
Voc Temperature Coefficient	-0.29% / °C
Isc Temperature Coefficient	+0.04% / °C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45 \pm 2 °C

Packing Configuration

Container	40'HC
Pieces per Pallet	29 or 30
Pallets per Container	28
Pieces per Container	812 or 840

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"> 10-year limited product warranty 25-year transferable linear power output warranty

LINEAR PERFORMANCE WARRANTY

