

RECOM

MONO

270, 275, 280, 285, 290



Black Panther



Manufactured
in EU



Anti-PID
Technology



Proven by Independent
Engineering Tests



Guaranteed
Positive Power



MONO

RCM-xxx-6MB (xxx=270-290)

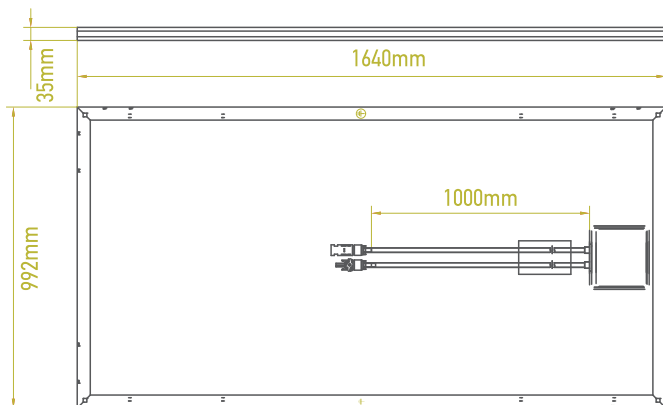
Electrical Characteristics

Rated Power:	270W	275W	280W	285W	290W
Power Tolerance :	0%/+5W	0%/+5W	0%/+5W	0%/+5W	0%/+5W
Max. Power Voltage (Vmp):	32.12V	32.30V	32.50V	32.60V	32.70V
Max. Power Current (Imp):	8.45A	8.54A	8.67A	8.74A	8.86A
Open Circuit Voltage (Voc):	38.76V	38.90V	39.20V	39.80V	39.90V
Short Circuit Current (Isc):	8.78A	8.87A	8.99A	9.60A	9.75A
Module Efficiency	16,6%	16,9%	17,3%	17,4%	17,6%
Max. Series Fuse:	15A	15A	15A	15A	15A
Max. System Voltage:	1000V DC(IEC) / 1000V DC(UL)				
Tested at Standard Test Conditions. Measurement tolerances: ± 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

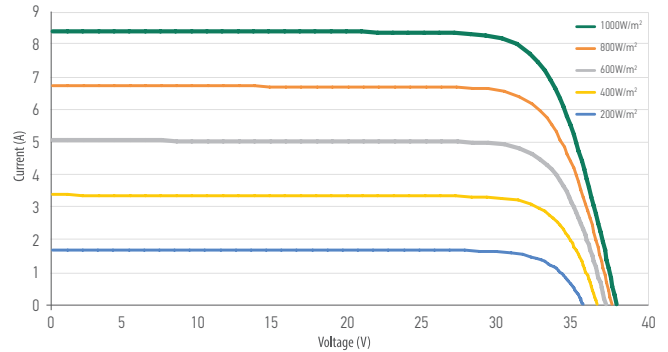
Dimensions



**Release 2016-12, v3.1. RECOM assumes no liability or responsibility for any typographical error, layout error, misinformation, any other error, omission, contained herein.

The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to on-going innovation, research and product enhancement, RECOM Solar reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein. Please read the safety and installation instructions before using the modules.

I-V Curve



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

Temperature Characteristics

Pmax Temperature Coefficient	-0.39% / °C
Voc Temperature Coefficient	-0.32% / °C
Isc Temperature Coefficient	+0.05% / °C
Operating Temperature	-40 ~ +85 °C
Nominal Operating Cell Temperature (NOCT)	45 ± 2 °C

Packing Configuration

Container	20'GP	40'HC
Pieces per Pallet	29 or 30	29 or 30
Pallets per Container	12	28
Pieces per Container	348 or 360	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

