

MONO CRYSTALLINE HALF-CUT MODULE

485 / 490 / 495 / 500 / 505 / 510 Watts





Overview

Ground breaking technology; higher power output, improved system performance - the ideal solution for end users who want a fast turnaround on their investments. A fully certified premium quality and high efficiency module made with A Grade materials.

Key Benefits



Certified by Independent Engineering Bodies



Product Liability Insurance



Ultra High Power Output



25 Years Limited Product Warranty



Low Resistive Losses



Low LCOE





Guaranteed mechanical resistance to severe weather conditions



Positive Tolerance

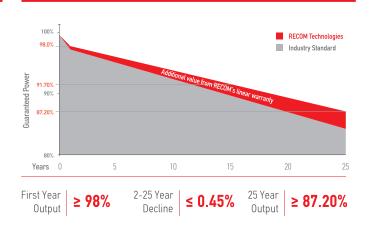


100 % electroluminescence tested

Tests, Certifications and Warranties

Standard Tests	IEC 61215, IEC 61730
Factory Quality Tests	ISO 9001: 2015, ISO 14001: 2015
Certifications	Conformity to CE, PV CYCLE Fire safety Class C according to UL790
Wind and Snow Static Loads	Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal)
Power Tolerance	Guaranteed +0/+5W (STC condition)
Warranties	 25-year limited product warranty 15-year manufacturer warranty on 91.70% of the nominal performance 25-year transferable linear power output warranty

Linear Performance Warranty



Panther MONO CRYSTALLINE HALF CUT MODULE

RCM-xxx-7MM(xxx=485-510)

Electrical Characteristics

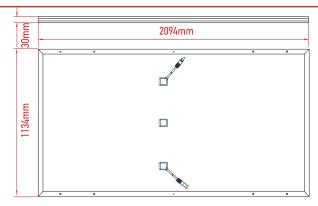
POWER CLASS (1)			485		490		495		500		505		510	
Testing Condition			STC (2)	NMOT ⁽³⁾	STC	NMOT								
Maximum Power	Pmax	[Wp]	485	357	490	360	495	364	500	368	505	372	510	375
Maximum Power Voltage	Vmp	[V]	37,20	34,60	37,40	34,80	37,60	35,00	37,80	35,20	38,00	35,40	38,20	35,60
Maximum Power Current	Imp	[A]	13,04	10,32	13,10	10,35	13,16	10,40	13,22	10,45	13,28	10,51	13,34	10,53
Open Circuit Voltage	Voc	[V]	44,70	41,70	44,90	41,90	45,10	42,10	45,30	42,30	45,50	42,50	45,70	42,70
Short Circuit Current	Isc	[A]	13,68	11,02	13,73	11,07	13,78	11,12	13,83	11,17	13,89	11,22	13,94	11,27
Module Efficiency	Eff	[%]	20	.42	20	,64	21	,85	21	,06	21	,27	21	.48
Maximum Series Fuse	lR	[A]	25											
Maximum System Voltage	Vsys	[V]	1000 / 1500 V											

⁽¹⁾ Measurement Tolerances: Isc & Voc (\pm 3%) - Power Classification 0/+5W

Mechanical Data

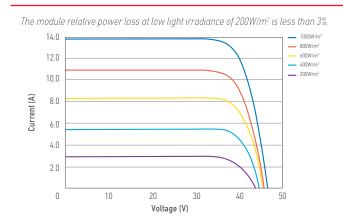
Dimensions	2094mm x 1134mm x 30mm
Weight	26.0 Kg
Cell Type	Mono Perc - 182mm x 91mm (2 x 66 Pcs) - M10
Front Glass	3.2mm Tempered and low iron glass + ARC
Rear Side	Anti-aging film
Frame	Anodized Aluminium Alloy
Junction Box	IP68 - 3 Bypass Diodes
Connector	MC4 compatible
Output cable	4.0mm ² - Landscape: 1300mm Portrait: N 200mm/P 300mm or customized

Dimensions



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

I-V Curve



Temperature Characteristics

Pmax Temperature Coefficient	-0.36% / °C
Voc Temperature Coefficient	-0.28% / °C
Isc Temperature Coefficient	+0.05% / °C
Operating Temperature	-40~+85°C
Nominal Operating Module Temperature (NMOT)	42 ± 2 °C

Packing Configuration

Container	40' (HC)
Pieces per Pallet	36
Pallets per Container	22
Pieces per Container	(36+36)x11=792 pcs

www.recom-tech.com

⁽²⁾ STC (Standard Testing Condition): Irrandiance 1000W/m², Cell Temperature 25°C, AM 1.5 (3) NMOT (Nominal Operating Module Temperature): Irrandiance 800W/m², NMOT, Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s