MONO CRYSTALLINE HALF CUT MODULE

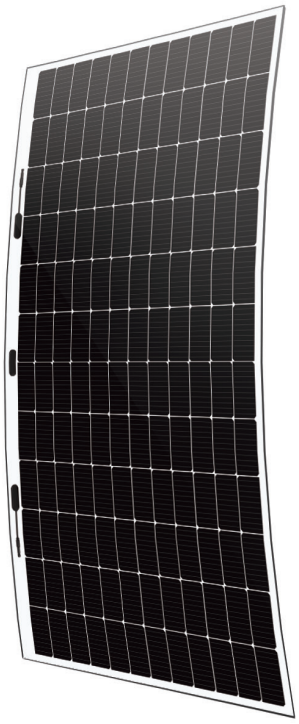
505 / 510 / 515 / 520 / 525 / 530 / 535 Watts

Panther Flexible Light

EUROPEAN MANUFACTURER

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.



Guaranteed mechanical resistance to severe weather conditions

Wp

Positive Tolerance

EL

100 % electro-luminescence tested

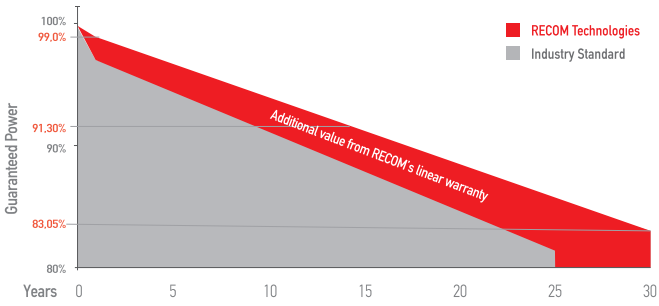
Key Benefits

- Certified by Independent Engineering Bodies
- Product Liability Insurance
- Ultra High Power Output
- 25 Years Limited Product Warranty
- Low Resistive Losses
- Higher Light Conversion

Tests, Certifications and Warranties

Standard Tests	IEC 61215, IEC 61730 & UL 61730
Factory Quality Tests	ISO 9001: 2015, ISO 14001: 2015
Certifications	Conformity to CE, PV CYCLE Fire safety Class C according to UL790
Insurance	Third party liability insurance provided by Liberty Mutual
Wind and Snow Loads Testing	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 91.30% of the nominal performance • 30-year transferable linear power output warranty

Linear Performance Warranty



First Year Output	≥ 99%	2-30 Year Decline	≤ 0.55%	30 Year Output	≥ 83.05%

Panther

MONO CRYSTALLINE HALF CUT MODULE

RCM-xxx-7MF (xxx=505-535)

Electrical Characteristics

POWER CLASS (1)			505		510		515		520		525		530		535	
Testing Condition			STC (2)	*NMOT (3)*	STC	*NMOT*	STC	*NMOT*	STC	*NMOT*	STC	*NMOT*	STC	*NMOT*	STC	*NMOT*
Maximum Power	Pmax	[Wp]	505	*381*	510	*385*	515	*389*	520	*393*	525	*397*	530	*401*	535	*405*
Maximum Power Voltage	Vmp	[V]	39,80	*36,98*	39,95	*37,13*	40,10	*37,27*	40,24	*37,43*	40,40	*37,56*	40,55	*37,71*	40,70	*37,86*
Maximum Power Current	Imp	[A]	12,70	*10,31*	12,78	*10,38*	12,86	*10,45*	12,94	*10,51*	13,01	*10,58*	13,09	*10,63*	13,16	*10,70*
Open Circuit Voltage	Voc	[V]	47,50	*44,70*	47,70	*44,90*	47,90	*45,10*	48,10	*45,30*	48,30	*45,50*	48,50	*45,70*	48,70	*45,90*
Short Circuit Current	Isc	[A]	13,47	*10,76*	13,52	*10,81*	13,57	*10,85*	13,62	*10,89*	13,67	*10,93*	13,72	*10,96*	13,77	*10,99*
Module Efficiency	Eff	[%]	19,0		19,2		19,3		19,5		19,7		19,9		20,1	
Maximum Series Fuse	IR	[A]	20													
Maximum System Voltage	VSYS	[V]	1500V DC													

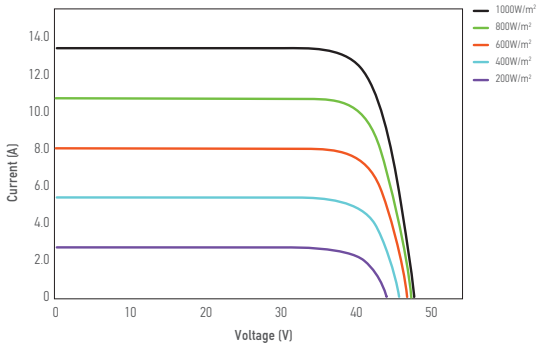
(1) Measurement Tolerances: Pmax (± 3%), Isc & Voc (± 3%) - Power Classification 0/+5W
(2) STC (Standard Testing Condition): Irrandiance 1000W/m², Cell Temperature 25°C, AM 1.5
(3) NMOT (Nominal Operating Module Temperature): Irrandiance 800W/m², NMOT, Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

Mechanical Data

Dimensions	2246 mm x 1185 mm x 2.5 mm (without junction box)
Weight	7.5 Kg
Cell Type	Mono Perc –182mm x 91mm (12 x 12 Pcs) - M10
Front Glass	PVDF material.
Rear Side	Backboard
Frame	None
Junction Box	IP68
Connector	MC4 Compatible
Output cable	4mm² - 400mm or Customized

I-V Curve

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



Dimensions

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

Temperature Characteristics

Pmax Temperature Coefficient	-0.38% / °C
Voc Temperature Coefficient	-0.28% / °C
Isc Temperature Coefficient	+0.02% / °C
Operating Temperature	-40~+85 °C
Nominal Operating Module Temperature (NMOT)	41 ± 2 °C

Packing Configuration

Container	40'HC
Pieces per Pallet	70
Pallets per Container	10
Pieces per Container	(70+70)x5=700 pcs

**Release RCM-xxx-7MF(xxx=505-535)-10-M10-2.5-SW-15V-060-2024-06-v1.0