

MONO CRYSTALLINE HALF-CUT MODULE

350 / 355 / 360 / 365 / 370 / 375 / 380 Watts

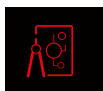
Panther



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



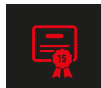
Certified by Independent Engineering Bodies



Product Liability Insurance



Ultra High Power Output



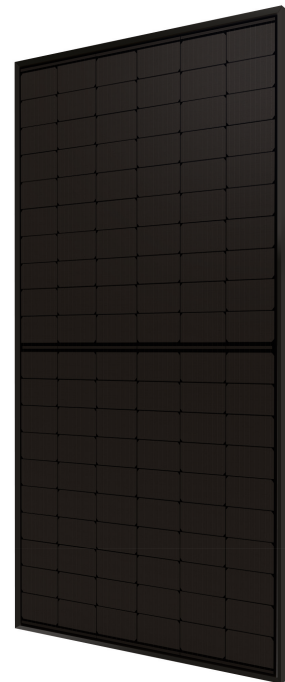
15 Years Limited Product Warranty



Low Resistive Losses



Low LCOE



Guaranteed mechanical resistance to severe weather conditions



Positive Tolerance

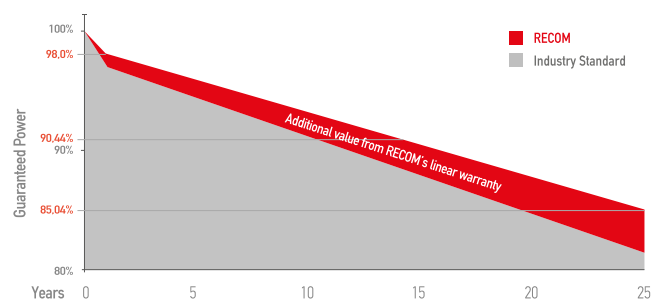


100 % electro-luminescence tested

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 |
| 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%/-5% (STC condition) |
| Warranties | <ul style="list-style-type: none"> 15-year limited product warranty 15-year manufacturer warranty on 90.44% of the nominal performance 25-year transferable linear power output warranty |

Linear Performance Warranty



First Year Output $\geq 98\%$ 2-25 Year Decline $\leq 0.54\%$ 25 Year Output $\geq 85.04\%$

MONO CRYSTALLINE HALF CUT MODULE

RCM-xxx-6ME (xxx=350-380)

Electrical Characteristics

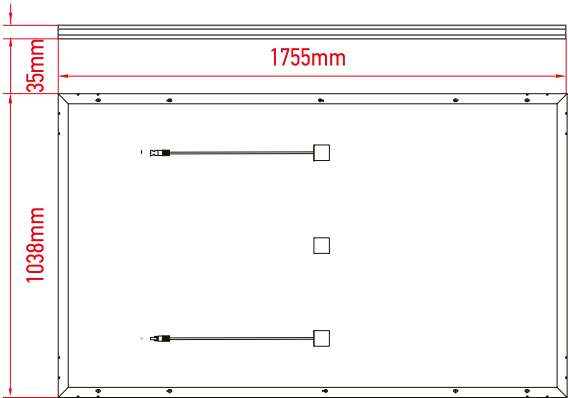
| POWER CLASS ⁽¹⁾ | | | 350 | | 355 | | 360 | | 365 | | 370 | | 375 | | 380 | |
|----------------------------|------|------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|
| Testing Condition | | | STC | <i>NMOT</i> | STC | <i>NMOT</i> | STC | <i>NMOT</i> | STC | <i>NMOT</i> | STC | <i>NMOT</i> | STC | <i>NMOT</i> | STC | <i>NMOT</i> |
| Maximum Power | Pmax | [Wp] | 350 | 261,4 | 355 | 265,1 | 360 | 268,8 | 365 | 272,6 | 370 | 276,3 | 375 | 280,0 | 380 | 283,8 |
| Maximum Power Voltage | Vmp | [V] | 33,6 | 31,3 | 33,8 | 31,5 | 34,0 | 31,7 | 34,2 | 31,8 | 34,4 | 32,0 | 34,6 | 32,2 | 34,8 | 32,5 |
| Maximum Power Current | Imp | [A] | 10,42 | 8,35 | 10,51 | 8,43 | 10,59 | 8,49 | 10,68 | 8,56 | 10,76 | 8,63 | 10,84 | 8,69 | 10,92 | 8,76 |
| Open Circuit Voltage | Voc | [V] | 40,1 | 37,6 | 40,3 | 37,8 | 40,5 | 38,0 | 40,7 | 38,2 | 40,9 | 38,3 | 41,1 | 38,5 | 41,3 | 38,7 |
| Short Circuit Current | Isc | [A] | 11,15 | 9,02 | 11,25 | 9,10 | 11,35 | 9,17 | 11,43 | 9,25 | 11,52 | 9,32 | 11,60 | 9,38 | 11,69 | 9,45 |
| Module Efficiency | Eff | [%] | 19,2 | | 19,5 | | 19,8 | | 20,0 | | 20,3 | | 20,6 | | 20,9 | |
| Maximum Series Fuse | Ir | [A] | 20 | | | | | | | | | | | | | |

(1) Measurement Tolerances: P_{max} (± 3%), I_{sc} & V_{oc} (± 5%) - Power Classification 0/+5W
(2) STC (Standard Testing Condition): Irradiance 1000W/m², Cell Temperature 25°C, AM 1.5
(3) NMOT (Nominal Operating Module Temperature): Irradiance 800W/m², NMOT, Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

Mechanical Data

| | |
|--------------|--|
| Dimensions | 1755 mm x 1038 mm x 35 mm |
| Weight | 19,5 Kg |
| Cell Type | Mono Perc - 166mm x 83mm (2 x 60 Pcs) - M6 |
| Front Glass | 3.2mm Tempered and low-iron glass + ARC |
| Rear Side | Anti-aging film (Black) |
| Frame | Anodized Aluminium Alloy (Black) |
| Junction Box | IP68 - 3 Bypass diodes |
| Connector | EV02 or EV02 compatible |
| Output cable | 4mm ² , length 300mm or can be customized |

Dimensions



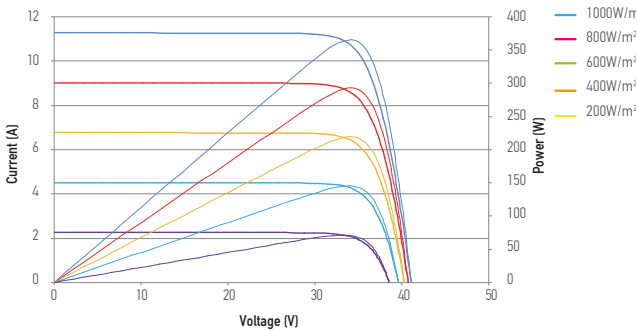
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I-V Curve

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



Temperature Characteristics

| | |
|---|--------------|
| P _{max} Temperature Coefficient | -0.350% / °C |
| V _{oc} Temperature Coefficient | -0.270% / °C |
| I _{sc} Temperature Coefficient | +0.048% / °C |
| Operating Temperature | -40~+85 °C |
| Nominal Operating Module Temperature (NMOT) | 42 ± 2°C |

Packing Configuration

| | |
|-----------------------|--------------------|
| Container | 40'HC |
| Pieces per Pallet | 30 |
| Pallets per Container | 26 |
| Pieces per Container | (30+30)x13=780 pcs |