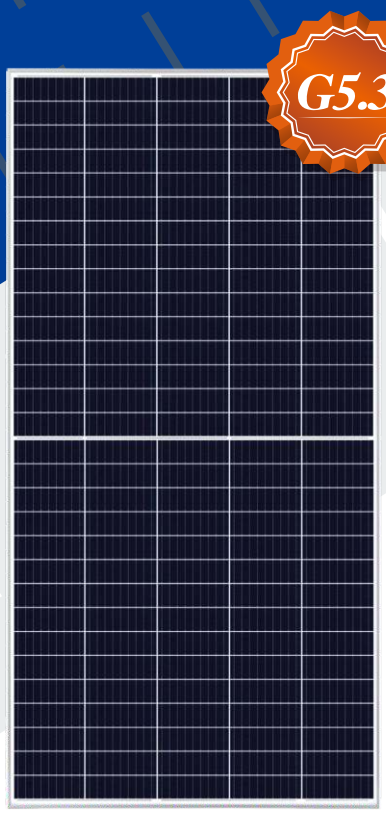
TITAN

HIGH PERFORMANCE MONOCRYSTALLINE PERC MODULE



RSM150-8-480M-505M

150 CELL
Mono PERC Module

480-505Wp
Power Output Range

1500VDC
Maximum System Voltage

20.6%
Maximum Efficiency

KEY SALIENT FEATURES

- Global, Tier 1 bankable brand, with independently certified state-of-the-art automated manufacturing
- Industry leading lowest thermal co-efficient of power
- Industry leading 12 years product warranty
- Excellent low irradiance performance
- Excellent PID resistance
- Positive tight power tolerance
- Dual stage 100% EL Inspection warranting defect-free product
- Module Imp binning radically reduces string mismatch losses
- Warranted reliability and stringent quality assurances well beyond certified requirements
- Certified to withstand severe environmental conditions
  - Anti-reflective & anti-soiling surface minimise power loss from dirt and dust
  - Severe salt mist, ammonia & blown sand resistance, for seaside, farm and desert environments
  - Excellent mechanical load 2400Pa & snow load 5400Pa resistance

ISO9001
ISO14001
OHSAS18001
IEC TS 62941

RISEN ENERGY CO., LTD.

Risen Energy is a leading, global tier 1 manufacturer of high-performance solar photovoltaic products and provider of total business solutions for residential, commercial and utility-scale power generation. The company, founded in 1986, and publicly listed in 2010, compels value generation for its chosen global customers. Techno-commercial innovation, underpinned by consummate quality and support, encircle Risen Energy's total Solar PV business solutions which are among the most powerful and cost-effective in the industry. With local market presence and strong financial bankability status, we are committed, and able, to building strategic, mutually beneficial collaborations with our partners, as together we capitalise on the rising value of green energy.

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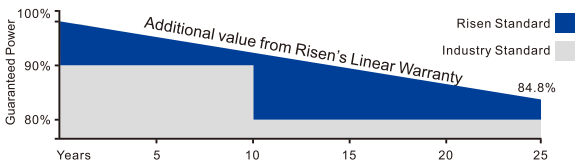
E-mail: marketing@risenenergy.com Website: www.risenenergy.com

LINEAR PERFORMANCE WARRANTY

12 year Product Warranty / 25 year Linear Power Warranty



★ Please check the valid version of Limited Product Warranty which is officially released by Risen Energy Co., Ltd

risen solar technology

Preliminary
For Global Market

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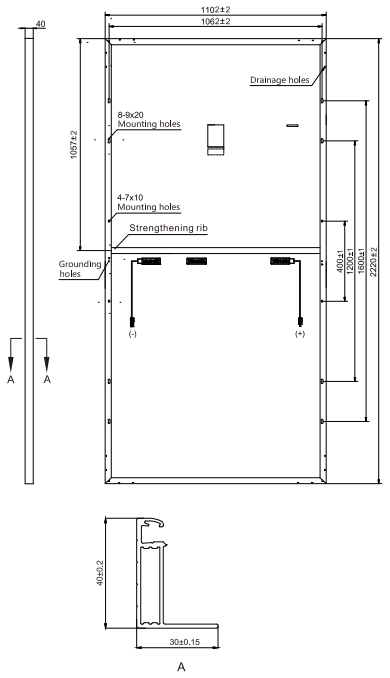
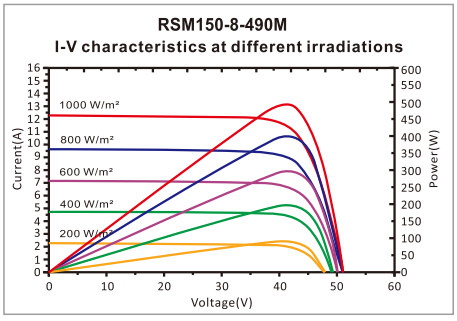
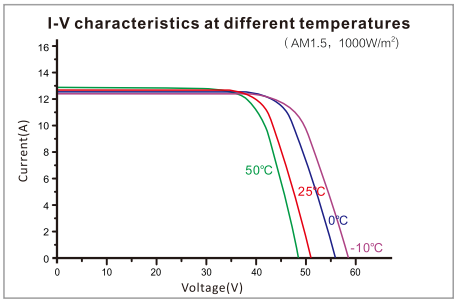
Dimensions of PV Module

Unit: mm







Our Partners:

ELECTRICAL DATA (STC)

Model Number	RSM150-8-480M	RSM150-8-485M	RSM150-8-490M	RSM150-8-495M	RSM150-8-500M	RSM150-8-505M
Rated Power in Watts-Pmax(Wp)	**480**	**485**	**490**	**495**	**500**	**505**
Open Circuit Voltage-Voc(V)	50.13	50.35	50.57	50.79	51.01	51.23
Short Circuit Current-Isc(A)	12.18	12.25	12.32	12.39	12.46	12.53
Maximum Power Voltage-Vmpp(V)	42.00	42.22	42.44	42.66	42.88	43.10
Maximum Power Current-Impp(A)	11.44	11.50	11.56	11.62	11.68	11.74
Module Efficiency (%) ★	19.6	19.8	20.0	20.2	20.4	20.6

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.
★ Module Efficiency (%): Round-off to the nearest number

ELECTRICAL DATA (NMOT)

Model Number	RSM150-8-480M	RSM150-8-485M	RSM150-8-490M	RSM150-8-495M	RSM150-8-500M	RSM150-8-505M
Maximum Power-Pmax (Wp)	363.8	367.7	371.5	375.4	379.3	383.2
Open Circuit Voltage-Voc (V)	46.62	46.83	47.03	47.23	47.44	47.64
Short Circuit Current-Isc (A)	9.99	10.05	10.10	10.16	10.22	10.27
Maximum Power Voltage-Vmpp (V)	38.98	39.18	39.38	39.59	39.79	40.00
Maximum Power Current-Impp (A)	9.34	9.38	9.43	9.48	9.53	9.58

NMOT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar cells	Monocrystalline 210×70mm
Cell configuration	150 cells (5×15+5×15)
Module dimensions	2220×1102×40mm
Weight	28kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-sheet
Frame	Anodized Aluminium Alloy type 6063T5, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm² (12AWG), Positive(+) 270mm, Negative(-) 270mm
Connector	Risen Twinsel PV-SY02, IP68

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44°C±2°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	0.05%/°C
Temperature Coefficient of Pmax	-0.36%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

PACKAGING CONFIGURATION

	40ft(HQ)
Number of modules per container	540
Number of modules per pallet	27
Number of pallets per container	20
Packaging box dimensions (LxWxH) in mm	2250×1130×1240
Box gross weight[kg]	810

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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REM150-M-9BB-EN-H1-5-2020