

HIGH PERFORMANCE DUAL-GLASS MONOCRYSTALLINE MODULE

RSM72-6-360MDG-380MDG

72 CELL MONOCRYSTALLINE MODULE

360-380Wp POWER OUTPUT RANGE

1500VDC MAXIMUM SYSTEM VOLTAGE

19.5% MAXIMUM EFFICIENCY



About Risen Energy

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.



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

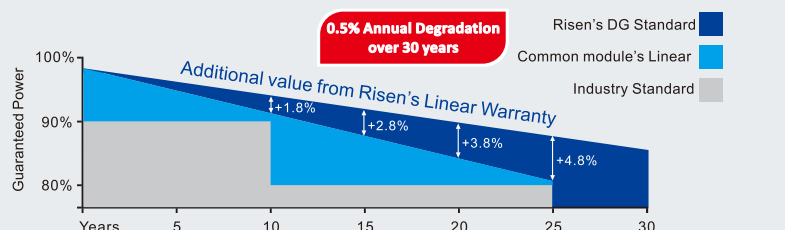
- ♦ Anti-reflective & anti-soiling surface minimise power loss from dirt and dust
- ♦ Severe salt mist, ammonia & blown sand resistance, for seaside, farm and desert environments
- ♦ Excellent mechanical load 2400Pa resistance



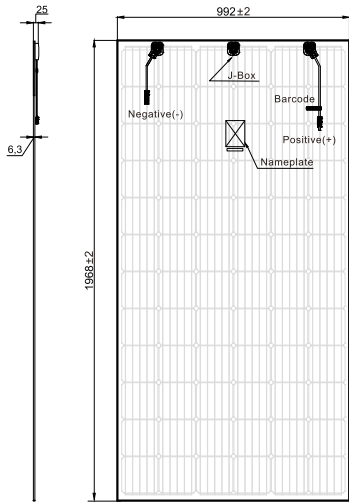
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LINEAR PERFORMANCE WARRANTY

12 year Product Warranty / 30 year Linear Power Warranty



Dimensions of PV Module Unit: mm



ELECTRICAL DATA(STC)

Model Number	RSM72-6-360MDG	RSM72-6-365MDG	RSM72-6-370MDG	RSM72-6-375MDG	RSM72-6-380MDG
Rated Power in Watts-Pmax(Wp)	360	365	370	375	380
Open Circuit Voltage-Voc(V)	47.30	47.70	48.15	48.60	48.95
Short Circuit Current-Isc(A)	9.80	9.85	9.90	9.95	10.00
Maximum Power Voltage-Vmpp(V)	38.95	39.25	39.60	39.95	40.25
Maximum Power Current-Impp(A)	9.25	9.30	9.35	9.40	9.45
Module Efficiency (%)	18.4	18.7	19.0	19.2	19.5

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

ELECTRICAL DATA(NMOT)

Model Number	RSM72-6-360MDG	RSM72-6-365MDG	RSM72-6-370MDG	RSM72-6-375MDG	RSM72-6-380MDG
Maximum Power-Pmax (Wp)	269.3	272.8	276.8	280.7	284.3
Open Circuit Voltage-Voc (V)	43.50	43.90	44.30	44.70	45.00
Short Circuit Current-Isc (A)	8.04	8.08	8.12	8.16	8.20
Maximum Power Voltage-Vmpp (V)	35.70	36.00	36.30	36.60	36.90
Maximum Power Current-Impp (A)	7.55	7.59	7.63	7.67	7.71

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

MECHANICAL DATA

Solar cells	Monocrystalline 156.75×156.75mm, 5BB
Cell configuration	72 cells (6×12)
Module dimensions	1968×992×6.3mm/1968×992×25mm with J-Box
Weight	27.5kg
Superstrate	2.50mm (High transmission low iron tempered ARC glass)
Substrate	2.50mm (Tempered glass)
J-Box	Potted, IP67, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm ² (12AWG), Positive(+) 270mm, Negative(-) 100mm
Connector	Risen Twinsel PV-SY02, IP67

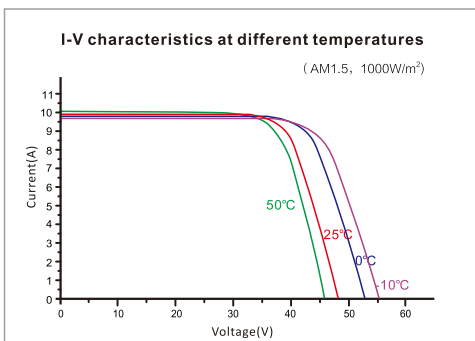
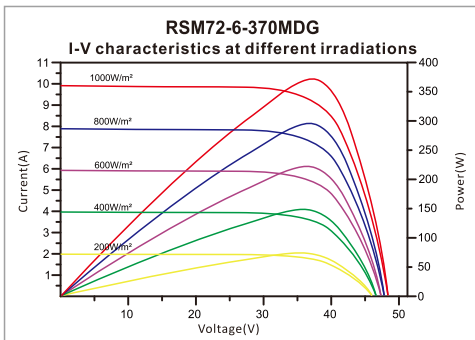
TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	45°C±2°C
Temperature Coefficient of Voc	-0.29%/°C
Temperature Coefficient of Isc	0.05%/°C
Temperature Coefficient of Pmax	-0.39%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

PACKAGING CONFIGURATION

	40ft(HQ)	20ft
Number of modules per container	660	150
Number of modules per pallet	30	30
Number of pallets per container	22	5
Packaging box dimensions (LxWxH) in mm	2085×1120×1175	2085×1120×1175
Box gross weight[kg]	900	900

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