

# HIGH PERFORMANCE POLYCRYSTALLINE MODULE

**RSM60-6-250P-270P/3BB**

**60 CELL POLYCRYSTALLINE MODULE**

**250-270Wp POWER OUTPUT RANGE**

**16.5% 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 2002, 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**



**Photon Independent field testing - Ranked in the top 2 of 176 international suppliers**



**Industry leading lowest thermal co-efficient of Power**



**Industry leading 12years product warranty**



**Excellent low irradiance performance**



**Excellent PID resistance**



**Positive tight power tolerance of 3%**



**Triple 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



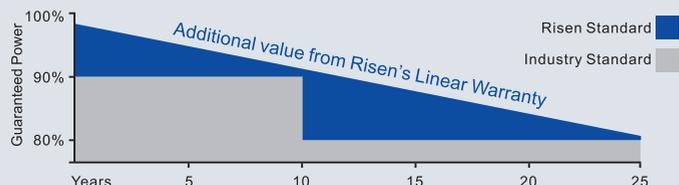
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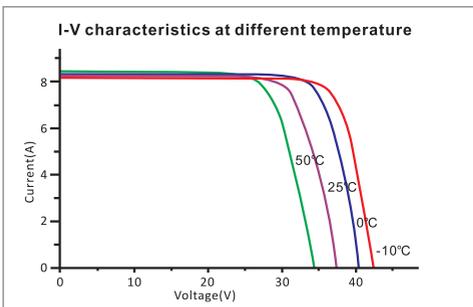
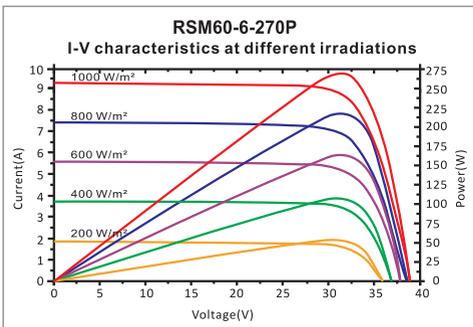
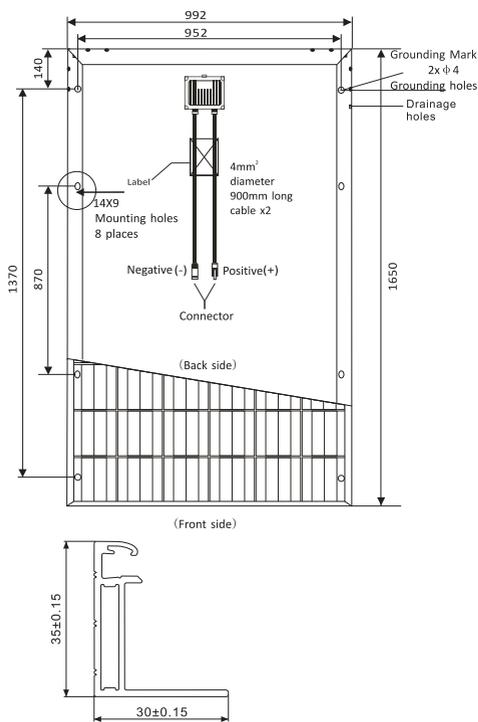
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## LINEAR PERFORMANCE WARRANTY

**12 year Product Warranty / 25 year Linear Power Warranty**



### Dimension of PV Modules Unit: mm



### Our Partners:

### ELECTRICAL DATA(STC)

Model Number	RSM60-6-250P	RSM60-6-255P	RSM60-6-260P	RSM60-6-265P	RSM60-6-270P
Rated Power in Watts-Pmax(Wp)	250	255	260	265	270
Open Circuit Voltage-Voc(V)	37.4	37.6	37.8	38.0	38.2
Short Circuit Current-Isc(A)	8.88	8.96	9.04	9.12	9.20
Maximum Power Voltage-Vmpp(V)	30.0	30.3	30.6	30.9	31.2
Maximum Power Current-Impp(A)	8.34	8.42	8.50	8.58	8.66
Module Efficiency (%)	15.3	15.6	15.9	16.2	16.5

STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

### ELECTRICAL DATA(NOCT)

Model Number	RSM60-6-250P	RSM60-6-255P	RSM60-6-260P	RSM60-6-265P	RSM60-6-270P
Maximum Power-Pmax (Wp)	186	190	194	197	201
Open Circuit Voltage-Voc (V)	34.8	35.0	35.2	35.3	35.5
Short Circuit Current-Isc (A)	7.18	7.25	7.31	7.38	7.44
Maximum Power Voltage-Vmpp (V)	27.8	28.0	28.1	28.3	28.40
Maximum Power Current-Impp (A)	6.69	6.79	6.89	6.98	7.08

NOCT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1 m/s.

### MECHANICAL DATA

Solar cells	Polycrystalline 156 × 156 mm (6 inches)
Cell configuration	60 cells (6×10)
Module dimensions	1650×992×35mm (64.96"×39.06"×1.38")
Weight	18kg (40lb)
Superstrate	3.2 mm, High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Backsheet
Frame	Silver Anodized Aluminium Alloy type 6063T5, Silver Color
J-Box	Potted, IP67, 1000VDC, 3 Schottky bypass diodes
Cables	4.0mm <sup>2</sup> (12AWG), 900mm length
Connector	IP67 MC4 or its Compatible

### TEMPERATURE & MAXIMUM RATINGS

Nominal Operating Cell Temperature (NOCT)	45°C± 2°C (113±35.6°F)
Temperature Coefficient of Voc	-0.32%/°C (-0.18%/°F)
Temperature Coefficient of Isc	0.05%/°C (0.028%/°F)
Temperature Coefficient of Pmax	-0.39%/°C (-0.21%/°F)
Operational Temperature	-40~+85°C
Maximum System Voltage	1000VDC
Max Series Fuse Rating	15A
Limiting Reverse Current	15A

### PACKAGING CONFIGURATION

	40ft	20ft
Number of modules per container	840	360
Number of modules per pallet	30	30
Number of pallets per container	28	12
Packaging box dimensions (LxWxH) in mm	1680×1120×1120	1680×1120×1120
Box gross weight[kg]	580	580

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

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