

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



HIGH PERFORMANCE POLYCRYSTALLINE MODULE

144 CELL POLYCRYSTALLINE MODULE

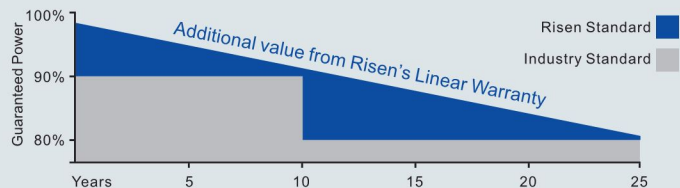
335-355Wp POWER OUTPUT RANGE

1500VDC MAXIMUM SYSTEM VOLTAGE

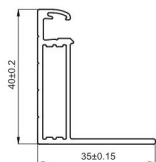
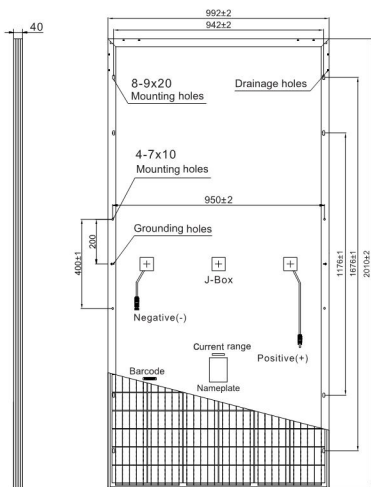
17.8% MAXIMUM EFFICIENCY

LINEAR PERFORMANCE WARRANTY

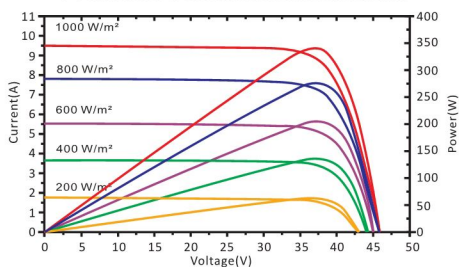
12 year Product Warranty / 25 year Linear Power Warranty



Dimensions of PV Module Unit: mm

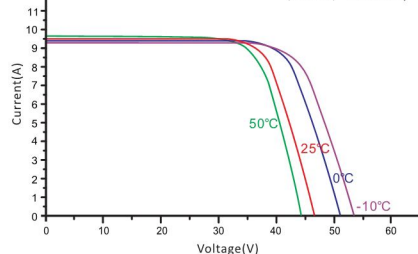


I-V characteristics at different irradiances



I-V characteristics at different temperatures

(AM1.5, 1000W/m²)



Our Partners:

ELECTRICAL DATA (STC)

Model Number	SWM144-335P	SWM144-340P	SWM144-345P	SWM144-350P	SWM144-355P
Rated Power in Watts-Pmax(Wp)	335	340	345	350	355
Open Circuit Voltage-Voc(V)	46.10	46.30	46.50	46.70	46.90
Short Circuit Current-Isc(A)	9.30	9.40	9.50	9.60	9.70
Maximum Power Voltage-Vmpp(V)	38.60	38.70	38.80	38.95	39.10
Maximum Power Current-Impp(A)	8.70	8.80	8.90	9.00	9.10
Module Efficiency (%)	16.8	17.1	17.3	17.6	17.8

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

ELECTRICAL DATA (NMOT)

Model Number	SWM144-335P	SWM144-340P	SWM144-345P	SWM144-350P	SWM144-355P
Maximum Power-Pmax (Wp)	250.4	254.0	257.5	261.4	265.3
Open Circuit Voltage-Voc (V)	42.40	42.60	42.80	43.00	43.10
Short Circuit Current-Isc (A)	7.63	7.71	7.79	7.87	7.95
Maximum Power Voltage-Vmpp (V)	35.30	35.40	35.50	35.60	35.80
Maximum Power Current-Impp (A)	7.09	7.17	7.25	7.34	7.42

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

MECHANICAL DATA

Solar cells	Polycrystalline 156.75×78.375 mm, 5BB
Cell configuration	144 cells (6×12+6×12)
Module dimensions	2010×992×40mm
Weight	23kg
Superstrate	3.2 mm, High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-sheet
Frame	Anodized Aluminium Alloy type 6063T5, Silver Color
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	-0.32%/°C
Temperature Coefficient of Isc	0.055%/°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	20ft
Number of modules per container	594	270
Number of modules per pallet	27	27
Number of pallets per container	22	10
Packaging box dimensions (LxWxH) in mm	2040×1130×1130	2040×1130×1130
Box gross weight[kg]	670	670