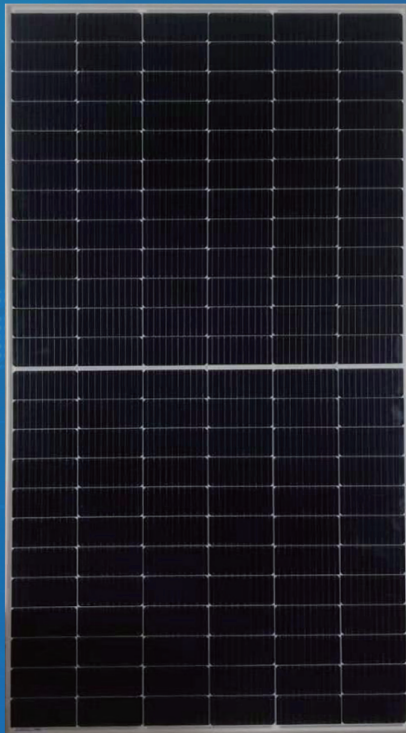


RM-540W-182M/144

HIGH PERFORMANCE
MONOCRYSTALLINE PERC MODULE



Size:2280x1135x35mm
Cell:182mm

144CELL
Mono PERC Module

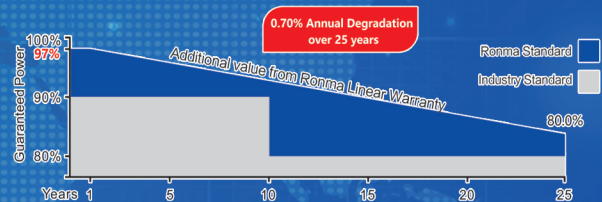
515-550Wp
Power Output Range

1500VDC
Maximum System Voltage

21.26%
Maximum Efficiency

LINEAR PERFORMANCE WARRANTY

10 year Product Warranty / 25 year Linear Power Warranty



★ Please check the valid version of Limited Product Warranty which is officially released by Jiangsu Ronma Solar Co.,Ltd



KEY SALIENT FEATURES



Independently certified state-of-the-art automated manufacturing



Dual stage 100% EL Inspection warranting defect-free product



Industry leading lowest thermal co-efficient of power



Module Imp binning radically reduces string mismatch losses



Industry leading 12 years product warranty



Warranted reliability and stringent quality assurances well beyond certified requirements



Excellent low irradiance performance



Certified to withstand severe environmental conditions



Excellent PID resistance

- ♦ 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



Positive tight power tolerance

Jiangsu Ronma Solar Co., Ltd

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Tel: +86 512 5766 6980

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Web: www.ronmasolar.com

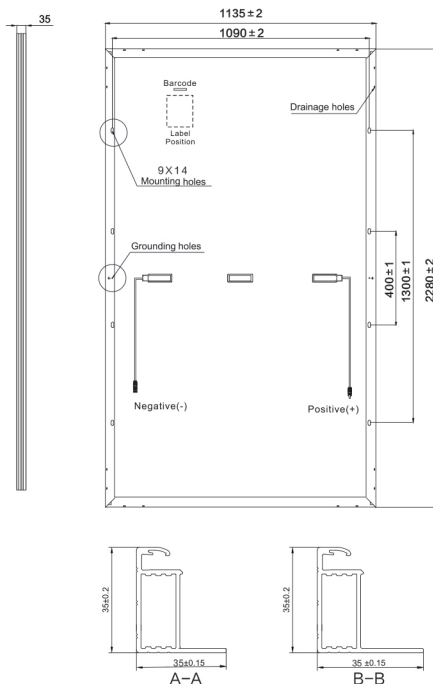
E-mail: sales@ronmasolar.com



RM-540W-182M/144



Dimensions of PV Module Unit: mm



ELECTRICAL DATA (STC)

Model Number	RM-515W-182/144	RM-520W-182/144	RM-525W-182/144	RM-530W-182/144	RM-535W-182/144	RM-540W-182/144	RM-545W-182/144	RM-550W-182/144
Rated Power in Watts-Pmax(Wp)	515	520	525	530	535	540	545	550
Open Circuit Voltage-Voc(V)	48.72	48.92	49.12	49.32	49.52	49.69	49.90	50.10
Short Circuit Current-Isc(A)	13.49	13.56	13.63	13.70	13.78	13.86	13.90	13.95
Maximum Power Voltage-Vmpp(V)	40.89	41.10	41.26	41.41	41.55	41.72	41.90	42.10
Maximum Power Current-Impp(A)	12.60	12.66	12.73	12.81	12.88	12.95	13.02	13.07
Module Efficiency (%) *	19.90	20.10	20.29	20.49	20.68	20.88	21.08	21.26

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

MECHANICAL DATA

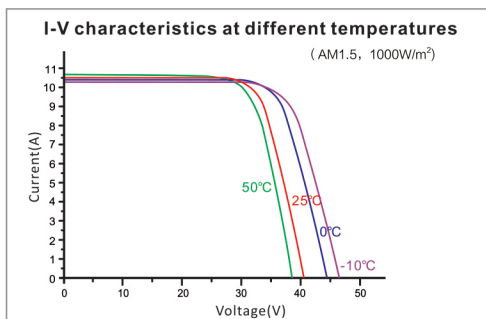
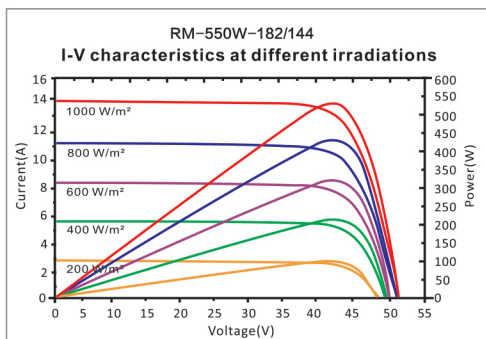
Solar cells	Monocrystalline
Cell size	182mmx182mm 10BB 11BB
Cell configuration	144 cells(6x12+6x12)
Module dimensions	2280x1135x35mm
Weight	28.6kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-sheet
Frame	Anodized Aluminium Alloy type 6005T6, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm ² , Positive(+)1300mm, Negative(-)1300mm (Connector Included)
Connector	PV-CY03L,IP68

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44°C±2°C
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.36%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	20A

PACKAGING CONFIGURATION

	40ft(HQ)
Number of modules per container	620
Number of modules per pallet	31
Number of pallets per container	20
Packaging box dimensions (LxWxH) in mm	2310x1135x1260
Box gross weight[kg]	916



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

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