

RS81-540-545M-BD

RS81-540-545M-BD is a robust solar module with 144 Bifacial 182mm cells . These modules can be used for on-grid solar applications. Our meticulous design and production techniques ensure a high-yield, long-term performance for every module produced. Our rigorous quality control and in-house testing facilities guarantee Resun Solar's modules meet the highest quality standards possible



High module conversion efficiency (up to 21.13%), through superior manufacturing technology



Guaranteed 0-+5W positive power output tolerance ensures high reliability



Anti-reflective, hydrophobic coating improves light absorption and reduces surface dust



Excellent performance under low light environments (mornings, evenings and cloudy days)



Suitable for harsh environments, such as coasts, deserts and lakes. Withstand high level of wind loads (2400pa) and snow loads (5400pa)

144 Cells

Bifacial-monocrystalline

540-545W

Power output

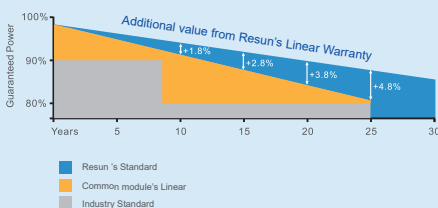
21.13%

The Highest Efficiency

0~ +5W

Tolerance

0.5% Annual Degradation over 30 years



LINEAR PERFORMANCE WARRANTY

12 year Product Warranty / 30 year Linear Power Warranty

Full range of products and certification systems

ISO 9001 TUV PID-FREE CE IEC61215/61730/61701/62716

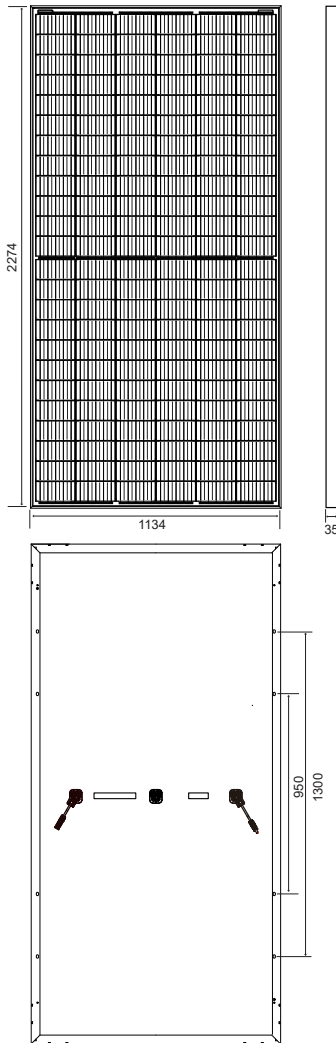


RS8I-540-545M-BD



GLOBAL PROFESSIONAL PV PRODUCTS INTERGRATED SOLUTIONS SUPPLIER

Dimension of PV Modules Unit: mm



ELECTRICAL DATA(STC)

	540W	545W
Rated Power in Watts-Pmax(Wp)	540W	545W
Open Circuit Voltage-Voc(V)	49.60V	49.75V
Short Circuit Current-Isc(A)	13.86A	13.93A
Maximum Power Voltage-Vmp(V)	41.64V	41.80V
Maximum Power Current-Imp(A)	12.97A	13.04A
Module Efficiency (%)	20.94%	21.13%

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

ELECTRICAL DATA(NOCT)

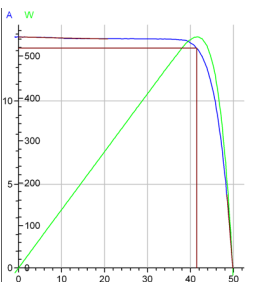
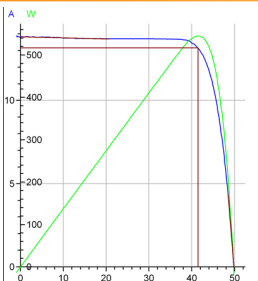
Maximum Power-Pmax (Wp)	408W	412W
Open Circuit Voltage-Voc (V)	46.43V	46.55V
Short Circuit Current-Isc (A)	11.09A	11.13A
Maximum Power Voltage-Vmp(V)	38.99V	39.2V
Maximum Power Current-Imp(A)	10.47A	10.51A

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

MECHANICAL DATA

Solar cells	Bifacial monocrystalline 9/10/11 Bus Bars
Cell configuration	144cells(6*24)
Module dimensions	2274*1134*35mm
Weight	29kg
Front Cover	3.2mm Tempered Glass
J-BOX	IP68
Cable	4mm ² (IEC)/12AWG(UL),300mm/400mm
Connectors	MC4 or MC4 Comparable
Standard Packaging	31pcs/pallet

CHARACTERISTIC CURVE | RS8I-545M-BD



TEMPERATURE & MAXIMUM RATINGS

Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C
Temperature Coefficient of Voc	-0.32%/°C
Temperature Coefficient of Isc	0.05%/°C
Temperature Coefficient of Pmax	-0.39%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1500W(IEC)/1500v(UL)
Max Series Fuse Rating	25A
Limiting Reverse Current	25A

PACKAGING CONFIGURATION

	40HQ
Number of modules per container	620pcs
Package	31pcs/pallet
Package Weight	10pallets
Package Number	1192kg/pallet
Package Dimension	2310*1130*1270mm/pallet