



RT8E-M

36 Cells
 Monocrystalline

255-275 W
 Power output

20.89%
 The Highest Efficiency

0~+5W
 Tolerance

WWW.RESTARSOLAR.COM

RT8E-M is a robust solar module with 36 solar 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 Restar solar's modules meet the highest quality standards possible.



High module conversion efficiency (up to 20.89%), 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

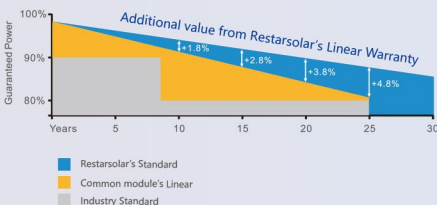


Excellent performance under low light environments (mornings, evenings and cloudy days)



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

0.5% Annual Degradation over 30 years



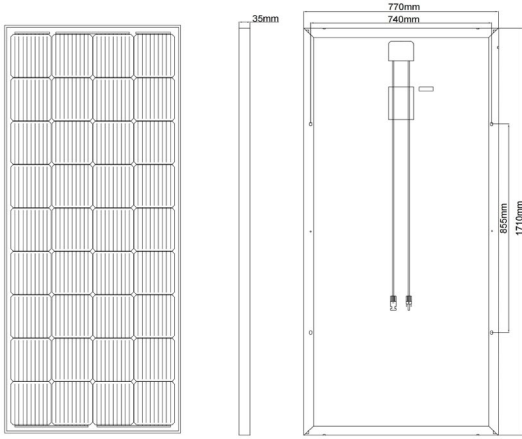
LINEAR PERFORMANCE WARRANTY
 12 year Product Warranty / 30 year Linear Power Warranty

Full range of products and certification systems

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



Dimension of PV Modules Unit: mm



ELECTRICAL DATA(STC)

	255W	260W	265W	270W	275W
Rated Power in Watts-Pmax(Wp)	255W	260W	265W	270W	275W
Open Circuit Voltage-Voc(V)	24.15	24.35	24.55	24.75	24.95
Short Circuit Current-Isc(A)	13.65	13.74	13.83	13.91	14.00
Maximum Power Voltage-Vmp(V)	20.24	20.42	20.61	20.79	20.98
Maximum Power Current-Imp(A)	12.60	12.73	12.86	12.98	12.98
Module Efficiency (%)	19.37%	19.75%	20.13%	20.51%	20.89%

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

ELECTRICAL DATA(NOCT)

	190	193	197	201	204
Maximum Power-Pmax (Wp)	190	193	197	201	204
Open Circuit Voltage-Voc (V)	22.80	22.98	23.17	23.36	23.55
Short Circuit Current-Isc (A)	11.03	11.10	11.17	11.23	11.31
Maximum Power Voltage-Vmp(V)	18.82	19.06	19.30	19.51	19.86
Maximum Power Current-Imp(A)	10.07	10.15	10.22	10.31	10.30

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

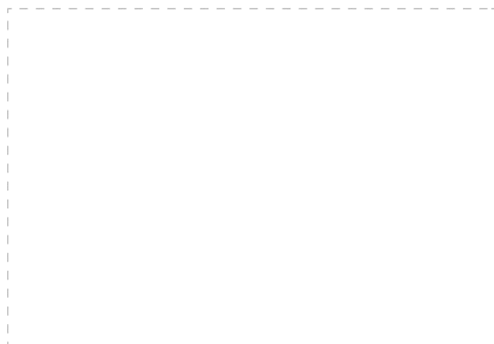
MECHANICAL DATA

Solar cells	Mono-crystalline 182*182mm,9/10/11 Bus bars
Cell configuration	36cells(4*9)
Module dimensions	1710*770*35mm
Weight	14.6kg
Front Cover	3.2mm Tempered Glass
J-BOX	IP68
Cable	4mm ² (IEC)/12AWG(UL),900mm
Connectors	MC4 or MC4 Comparable
Standard Packaging	2pcs/carton

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	-0.35%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V(IEC)/1500V(UL)
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

Partner information



PACKAGING CONFIGURATION

	40HQ
Modules per container	1080pcs
Package	2pcs/carton
Package Number	540cartons