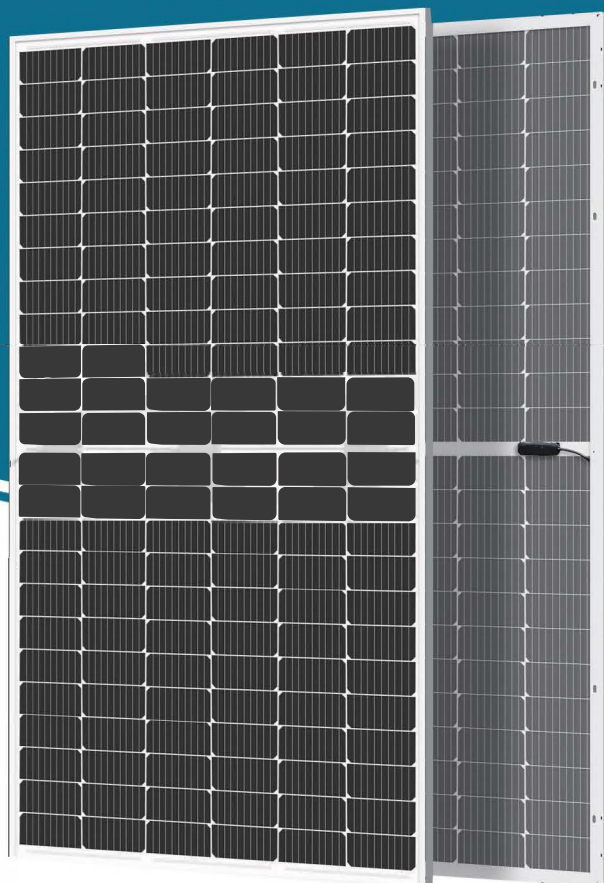


EVVO HIGH PERFORMANCE MONOCRYSTALLINE PERC MODULE

530~545W  
144 CELL



FEATURES

Independently certified state-of-the-art automated manufacturing

Industry leading lowest thermal co-efficient of power

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

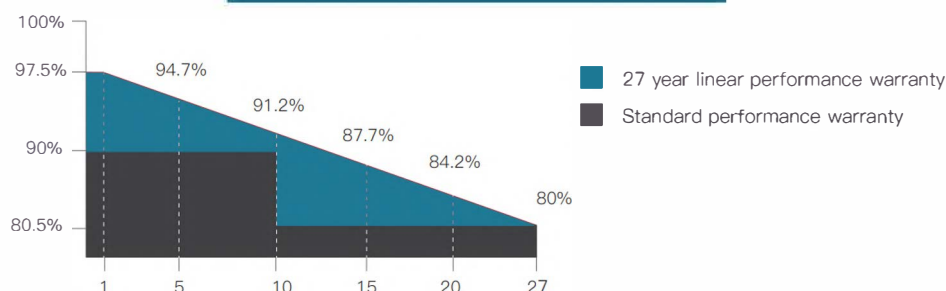


PRODUCT WARRANTY



LINEAR PERFORMANCE WARRANTY

LINEAR PERFORMANCE WARRANTY



## TECHNICAL SPECIFICATION

**EVVO 540W-182M/144**

**RN-Series**

## EVVO HIGH PERFORMANCE MONOCRYSTALLINE PERC MODULE

MODEL NUMBER	EVVO-530W -182M/144	EVVO-535W -182M/144	EVVO-540W -182M/144	EVVO-545W -182M/144
Rated Power in Watts-Pmax(Wp)	530	535	540	545
Open Circuit Voltage-Voc(V)	49.32	49.52	49.69	49.90
Short Circuit Current-Isc(A)	13.70	13.78	13.86	13.90
Maximum Power Voltage-Vmpp(V)	41.41	41.55	41.72	41.90
Maximum Power Current-Imp(A)	12.81	12.88	12.95	13.02
Module Efficiency(%) *	20.49	20.68	20.88	21.08

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

\* Module Efficiency(%): Round-off to the nearest number

### MATERIAL DETAILS

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 <sup>2</sup> , Positive(+)300mm, Negative(-)300mm (Connector Included)
Connector	PV-CY03L,IP68

### TEMPERATURE & MAXIMUM RATINGS

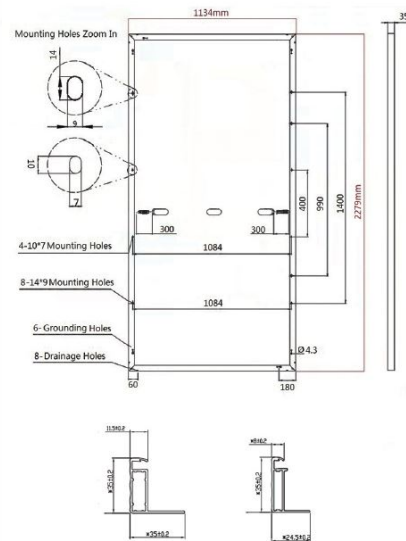
Nominal Module Operating Temperature (NMOT)	44°C±2°C
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.36%/°C
Operational Temperature	-40°C-+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	25A
Limiting Reverse Current	30A

### PACKING DETAILS

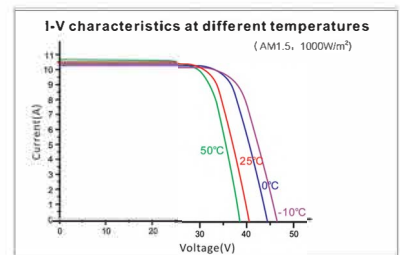
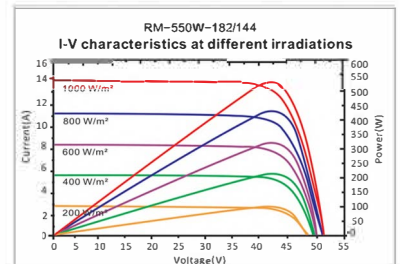
	40ft(HQ)
Number of modules per container	620
Number of modules per pallet	31
Number of pallets per container	20
Packaging box dimensions (LxWxH) in mm	2310x1135x1260
Box gross weight[kg]	916

### ENGINEERING DRAWINGS

Dimensions of PV Module Unit: mm



### IV CURVES



\*Specifications included in this datasheet are subject to change without notice

Authorized Dealer

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