



HAVELLS ENVIRO SOLAR PV MODULE

Mono PERC Module 550 Wp
Model : - Enviro-RMPV-144MO550

Key Features

- ▶ **Higher Power Output**
Module power increases by 5-25% generally, bringing significantly lower LCOE and higher IRR. 0-5 W positive tolerance output warranty.
- ▶ **Multi Busbar Technology**
By improving optical utilization rate, power increases by 2~3% and efficiency increases by 0.4~0.6%.
- ▶ **PID Resistance**
Excellent Anti-PID performance guarantee via optimized mass-production process and material control.
- ▶ **Low-light Performance**
Excellent performance in low light.
- ▶ **Enhanced Mechanical Load**
Certified to withstand wind load (2400 Pa) and snow load (5400 Pa)



ELECTRICAL DATA (STC)

Rated Power in Watts-P _{max} (Wp)	550
Open Circuit Voltage-V _{oc} (V)	50.10
Short Circuit Current-I _{sc} (A)	13.95
Max. Power Voltage-V _{mpp} (V)	42.10
Max. Power Current-I _{mpp} (A)	13.07
Module Efficiency (%)	21.18

STC: Irradiance 1000W/m², Cell Temperature 25°, Air Mass AM 1.5,
NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL DATA

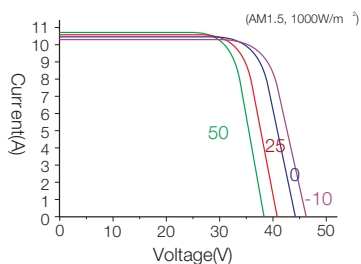
Solar Cells	Monocrystalline
Cell Size	182 mm × 91 mm
Cell Configuration	144 cells (6 × 12 + 6 × 12)
Module Dimensions	2279 × 1134 × 35 mm
Weight	28.6kg
Glass	High Transmission, Low Iron, Tempered ARC Glass 3.2mm
Back Sheet	White
Frame	Anodized Aluminium Alloy type 6005 T6, Silver/Black Color
J-box	PV-RM01, IP68, 1500V DC, 3 Diode
Cables	4.0mm ² , (+) 300mm, (-) 300mm (Connector Included)
Connector	MC4-compatible

TEMPERATURE & MAXIMUM RATINGS

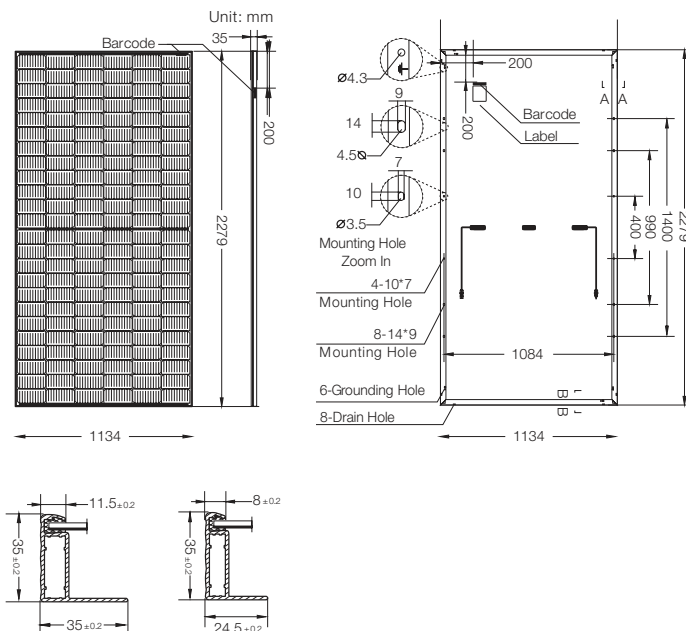
Nominal Operating Cell Temperature (NOCT)	44°C ± 2°C
Temperature Coefficient of Voc	-0.27% / °C
Temperature Coefficient of Isc	0.04% / °C
Temperature Coefficient of P _{max}	-0.36% / °C
Operational Temperature	-40°C ~ +85°C
Max. System Voltage	1500 V DC
Max. Series Fuse Rating	25 A

Enviro-RMPV-144MO550

I-V characteristics at different irradiances



Dimensions of PV Module

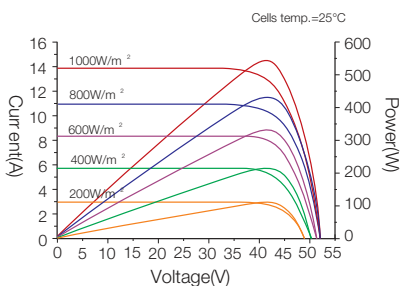


PACKAGING CONFIGURATION

	40ft(HQ)
Number of Modules Per Container	620
Number of Modules Per Pallet	31
Number of Pallets Per Container	20
Packaging Box Dimensions (l×w×h) (mm)	2300×1120×1260
Box Gross Weight (kg)	916
Max. Series Fuse Rating	25 A

Enviro-RMPV-144MO550

I-V characteristics at different temperatures



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CIN - L31900DL1983PLC016304.



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