

Mono PERC Module

**144
Cells
SERIES**

- Excellent power output with +ve tolerance up to 4.8Wp
- 10 years limited product warranty
- 25 years of performance warranty*
- All the modules are PID resistant
- 100 % EL Tested
- Sustain's heavy wind load 2400 Pa
- Sustain's heavy snow load 5400 Pa

**As per standard warranty terms*



CONSTRUCTIONAL CHARACTERISTICS

- Solar PV modules are constructed with toughened, low iron and textured high light transmission glass with anti-reflective coating (ARC)
- Multi-layer tedlar-based back sheet and ultra fast cure EVA
- 15 micron anodised aluminium frame
- Pre-drilled frame for easy mounting
- IP68 rated split junction box with MC4 compatible cable & connector

GLOBAL CERTIFICATIONS



Certified to ISO 9001 : 2015 standard



Certified to ISO 14001 : 2015 standard



Modules assigned CE certification



R-51001686

IS 14286 : 2010 / IEC 61215 : 2005
IS / IEC 61730 (Part 1) : 2004
IS / IEC 61730 (Part 2) : 2004



IEC 61701 - Salt Mist test
IEC 62804 - PID test

HR Solar Solution (P) Limited

Registered Address : 14 NS Road, Suite no - 102, Kolkata - 700001

Factory Address : Raghudebpur, NH 6, Panchla, Block - Uluberia II, Howrah, West Bengal - 711322

Email : info@hrsolarsolution.com **Website :** www.hrsolarsolution.com **Phone :** +91 33 2243 4540

SPECIFICATIONS:

Electrical Characteristics

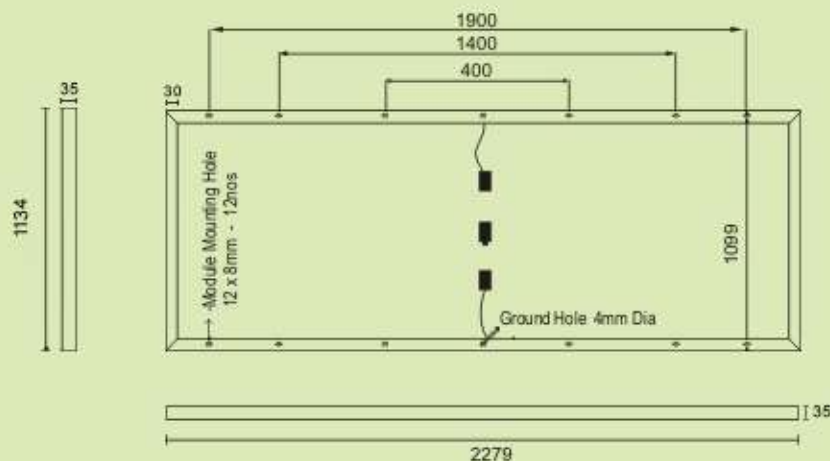
Model Name	H530M144	H535M144	H540M144	H545M144
Maximum Power Pmax (Wp)	530 WP	535 WP	540 WP	545 WP
Open Circuit Voltage (Voc)	49.10 V	49.25 V	49.38 V	49.50 V
Optimum Operating Voltage (Vmp)	42.05 V	42.22 V	42.37 V	42.51 V
Optimum Operating Current (Imp)	12.61 A	12.68 A	12.75 A	12.83 A
Short Circuit Current (Isc)	13.5 A	13.58 A	13.66 A	13.73 A
Fill Factor (%)	80 %	80.04 %	80.09 %	80.25 %
Module Efficiency (%)	20.50 %	20.70 %	20.90 %	21.09 %
Operating Conditions	-40°C to +85°C at 85% RH			
Temp Co-eff for Voc / °C (B)	-0.36%			
Temp Co-eff for Isc/ °C (a)	0.06 %			
Temp Co-eff for Power/ °C (y)	-0.36%			
NOCT	45°C +/- 2°C			
System Voltage (V)	1500 V			

Mechanical Characteristics

Weight (Kg)	30 Kg
Dimension (mm)	(2279 x 1134 x 35)mm
Static Load Wind/Snow	2400 Pa / 5400 Pa
Fire Rating	Class C

*Standard Test Conditions (STC) - 1000 W/m² irradiance, Air Mass 1.5 and 25°C cell temperature.

Module Frame Assembly



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