

HYPER NOVA

Half Cut Mono PERC Module

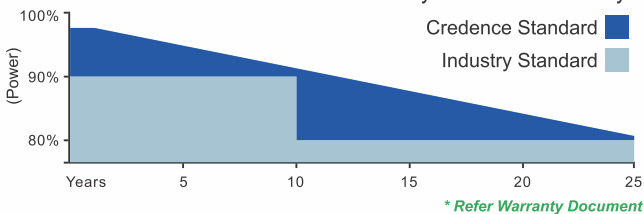
550 W

Efficiency up to

21.50%

Linear Performance Warranty

10 years Product Warranty
25 years Power Warranty



Half Cut Cell Design with Multi Bus Bar Technology



Round Ribbon Technology



Higher Efficiency



Lower LCOE & BOS



PID Tested



1500V DC System Voltage



3 Stage EL Inspected

Organization Certificates:



Product Certificates:



IS 14286 | IS/IEC 61730-1/2 | IEC 61215
IEC 61730-1/2 | IEC 62804 | IEC 61701

ELECTRICAL PARAMETERS (STC*):

Model	Voc (V)	Vmp (V)	Imp (A)	Isc (A)	Pmax (W)	Eff (%)
CS-HN550-144	49.35	42.60	12.95	13.90	550	21.50
CS-HN545-144	49.32	42.55	12.85	13.80	545	21.30
CS-HN540-144	49.29	42.50	12.75	13.65	540	21.10
CS-HN535-144	49.25	42.48	12.60	13.50	535	20.90
CS-HN530-144	49.23	42.40	12.50	13.45	530	20.70

*STC (Standard Test Conditions): Irradiance 1000W/m², Temperature 25°C, Spectrum at AM 1.5G.

ELECTRICAL PARAMETERS (NMOT*):

Model	Voc (V)	Vmp (V)	Imp (A)	Isc (A)	Pmax (W)	Eff (%)
CS-HN550-144	44.88	38.41	10.40	11.16	400	19.50
CS-HN545-144	44.85	38.36	10.32	11.08	396	19.35
CS-HN540-144	44.83	38.32	10.24	10.96	393	19.15
CS-HN535-144	44.79	38.30	10.12	10.84	388	19.00
CS-HN530-144	44.77	38.23	10.04	10.80	384	18.80

*NMOT (Nominal Module Operating Temperature): Irradiance 800W/m², Ambient temperature 20°C, Spectrum at AM 1.5G, Wind speed at 1m/s. (NOCT is similar to NMOT)

Design Specifications:

Cell Type	182mm- 10BB Mono PERC Crystalline
Cell Configuration	144 (12 x 6 x 2) Half Cut Cells
Operating Temperature	-40°C to +85°C
Max. System Voltage	1500V DC
Max.Series Fuse Rating	25A
Application Class	A
Safety Class	C
Junction Box Type	Split JB IP68
Output Cable Length	300mm (1000mm/1200mm upon request)

Dimensional & Packing Details:

Dimensions	2261 x 1134 x 35mm
Weight	28.50 kg
Modules/ Pallet	30 Nos
19Ft Truck	240 Nos
40 Ft HQ Container	600 Nos

Temperature Coefficients:

Power (Pmax)	-0.278%/°C
Voltage (Voc)	-0.230%/°C
Current (Isc)	+0.05%/°C
NMOT/ NOCT	44±2 °C

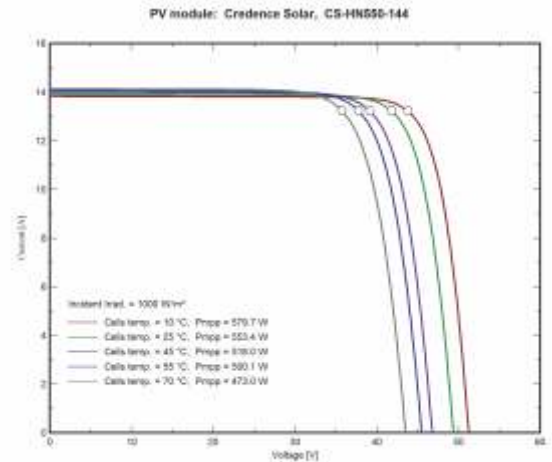
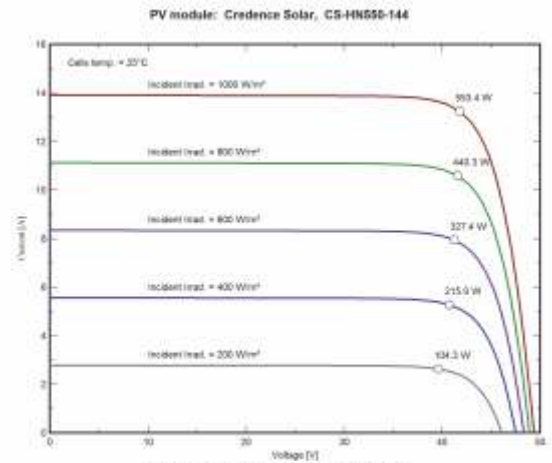
Other Hyper Nova Products:

- CS-HNxxx-132 - 480Wp - 500Wp
- CS-HNxxx-120 - 435Wp - 455Wp

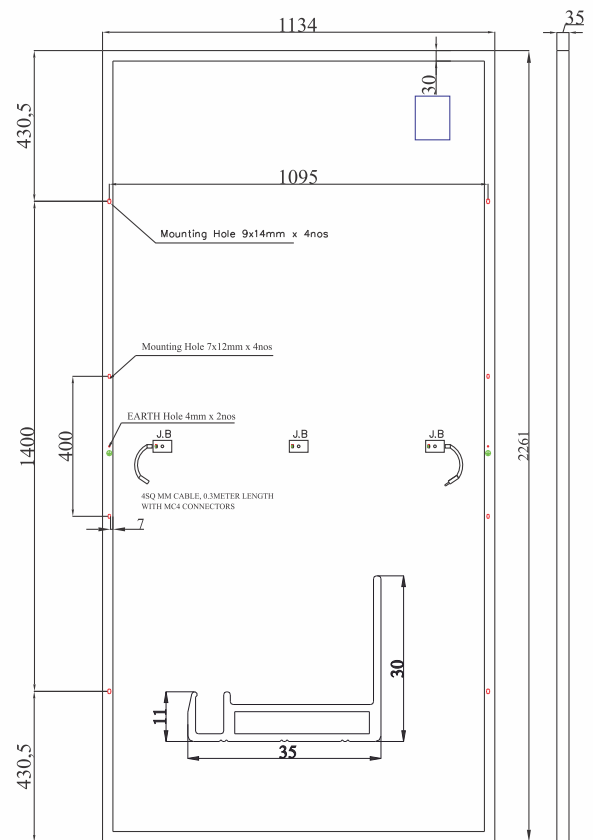
Data sheets are available upon request.

The technical data and specifications are mentioned in the data sheet may changed without prior notice due to continuous improvements and innovations in the product. Please contact marketing for the latest updates and data sheet before finalizing the Order. Please be advised that Solar PV modules should be handled and installed by qualified personnel and please Refer Installation, Operation & Maintenance Manual before handling and start installation for safety & installation.

Reference IV Curve Detail:



Rear View & Mounting Detail:



All Dimensions are in mm; Tolerance: ±2mm