

Hyper Nova
Half Cut Mono PERC Module

550Wp

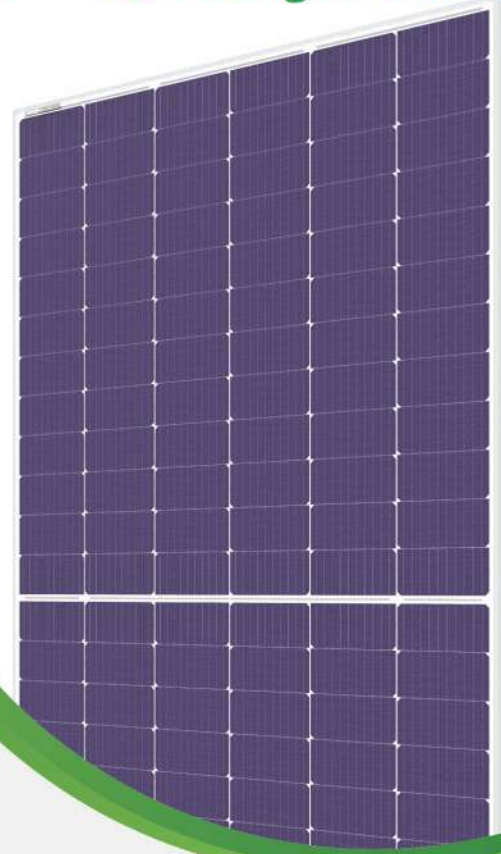
Efficiency up to **21.50%**

Credence Solar: As a Solar PV Modules manufacturer our commitment is simple: High-power Solar energy that is reliable and efficient. Our main priorities are Performance and reliability.

We are on a mission: To build a sustainable future, to fight the climate change and to reduce the carbon footprint. We want to shift the future into a better world and we want to show you how you can be a part of this mission. Join us in a journey to change the world.

We've only just begun & soon you'll find us Chasing The Sun..!

To achieve what we have dreamt, our modules are manufactured under one of the top class latest & most advanced state of art manufacturing facility with fully automatic line and having the latest testing facility located in Rajkot, Gujarat, India.



Half Cut Cell Design With Multi Bus Bar Technology



1500V DC System Voltage



Higher Efficiency



Lower LCOE & BOS



PID Tested



Design Load 5400 Pa



2 Stage 100% EL Inspected

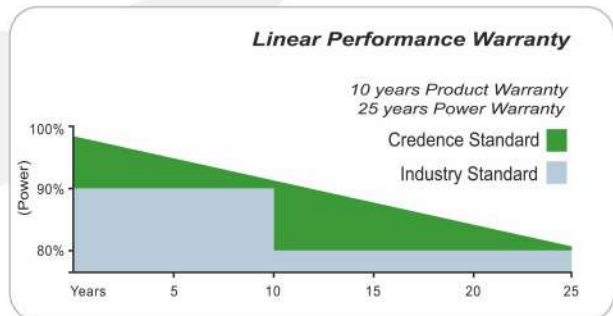
Certifications

Organization Certificates:

- ISO 9001:2015-Quality Management
- ISO 14001:2015-Environmental Management*
- ISO 18001:2007-Occupational Health&Safety*
- ISO 50001:2011-Energy Management*

Product Certificates:

- IEC 61215*
 - IEC 61730-1 & 2*
 - IEC 62804*
 - IEC 61701*
- * Under Process



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 (Recommended)
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)	-0.39%/°C
Voltage (Voc)	-0.35%/°C
Current (Isc)	+0.06%/°C
NMOT/ NOCT	44±2 °C

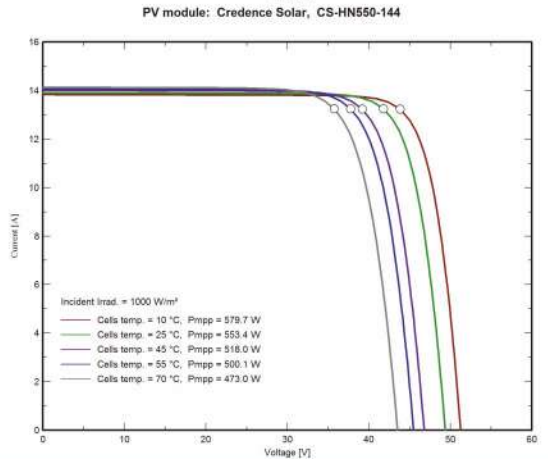
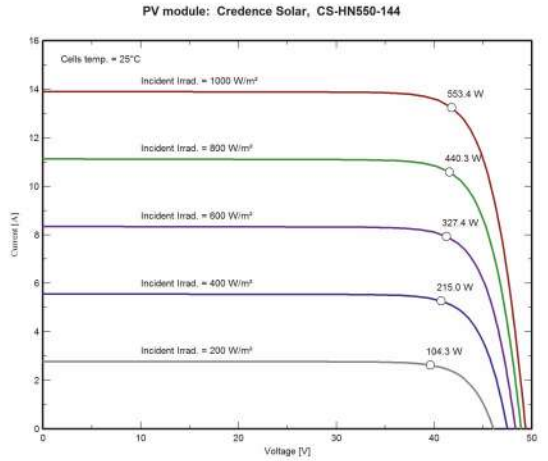
Other Hyper Nova Products:

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

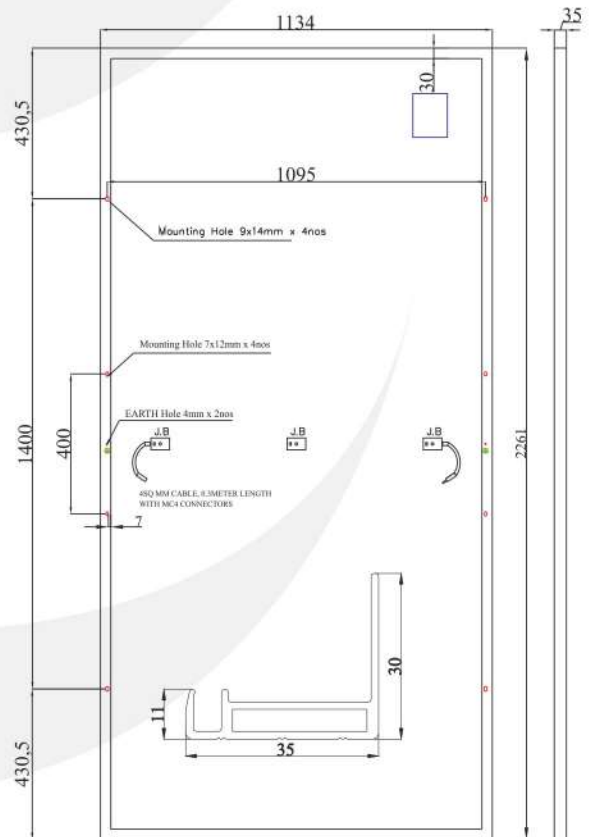
Data sheets are available upon request.

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