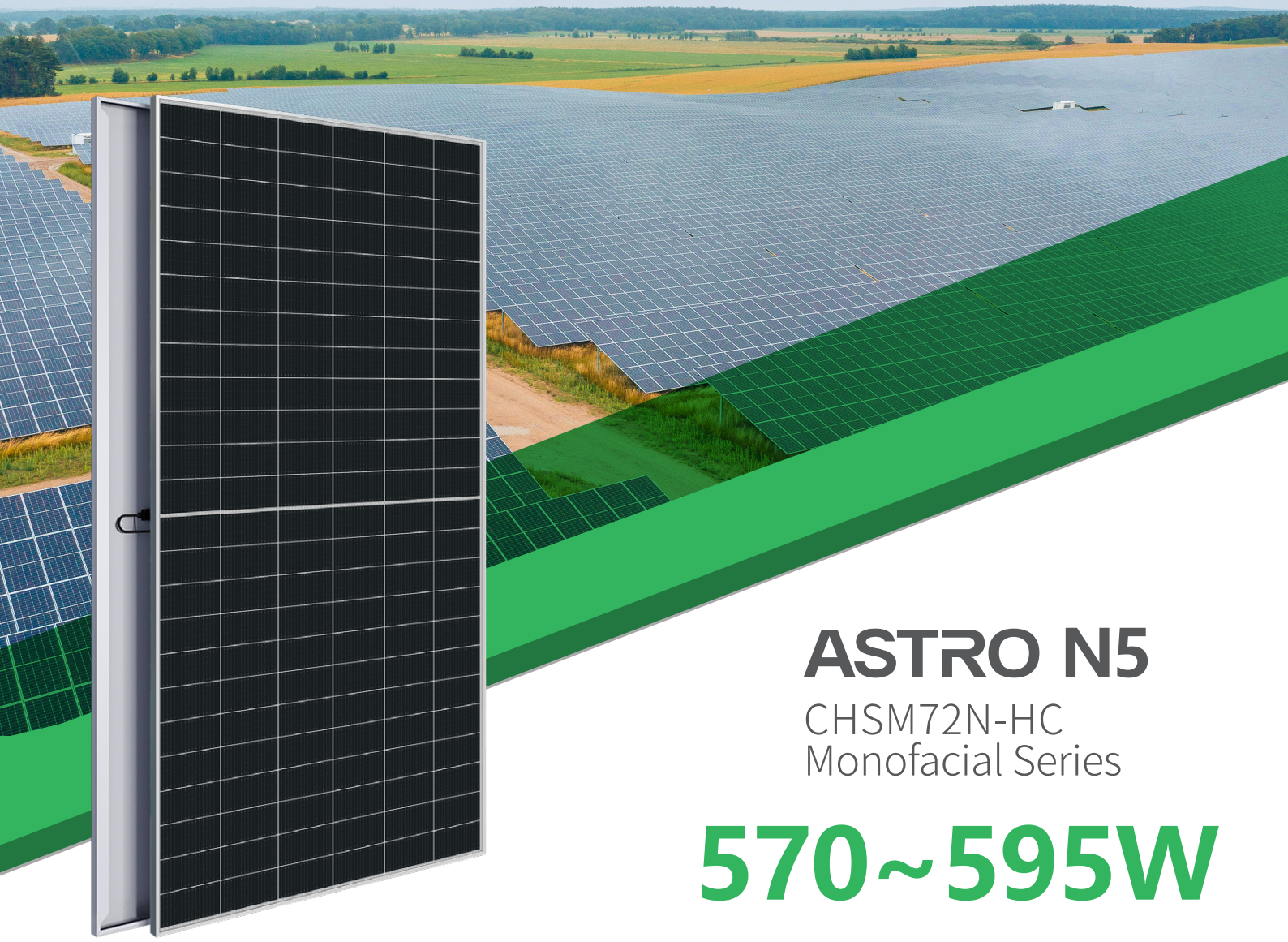
Special for Enter Energy

ASTRONERGY



ASTRO N5

CHSM72N-HC
Monofacial Series

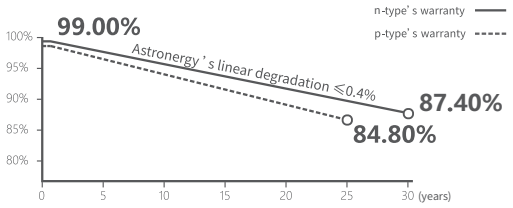
570~595W

Assist carbon neutrality

Warranty

12 12-year Product Warranty

30 30-year Linear Power Warranty



n-type TOPCon 4.0
Novel upgrade, enhancing module efficiency

SMBB Design
Enhancing current collection, minimizing power loss

Better Temperature Coefficient
⩽ -0.29%/°C , adapting for high temperature

Non-destructive Cutting
Improved cell bending strength, ensuring mechanical performance

IEC 61215, IEC 61730
ISO 9001:2015:ISO Quality Management System
ISO 14001:2015:ISO Environment Management System
ISO 45001:Occupational Health and Safety
The first solar company which passed the Nord IEC/TS 62941 certification audit

Tier 1 BloombergNEF

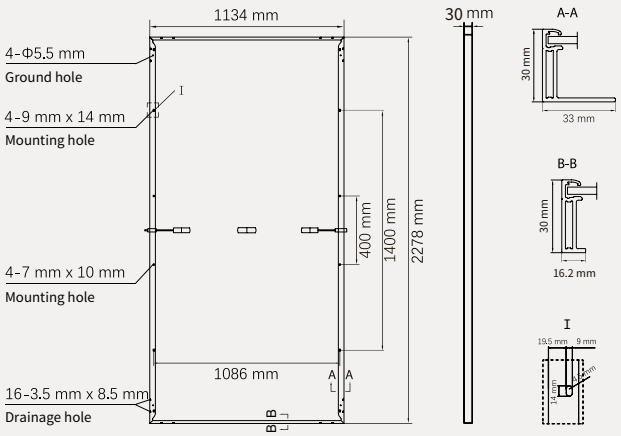
Underwritten by International Insurer

570~595W	0~+3%	23.0%	≤ 1.0%	≤ 0.4%
POWER RANGE	POWER SORTING	MAX MODULE EFFICIENCY	FIRST YEAR POWER DEGRADATION	YEAR 2-30 POWER DEGRADATION

Mechanical Specifications

Outer dimensions (L x W x H)	2278 x 1134 x 30 mm
Cell type	n-type mono-crystalline
No. of cells	144 (6*24)
Frame technology	Aluminum, silver anodized
Front glass thickness	3.2 mm
Cable length (Including connector)	Portrait: (+)350 mm,(-)250 mm; Customized length
Cable diameter (IEC/UL)	4 mm^2 / 12 AWG
① Maximum mechanical test load	5400 Pa (front) / 2400 Pa (back)
Connector type (IEC/UL)	HCB40 (Standard) / MC4-EVO2A (Optional)
Module weight	26.6 kg
Packing unit	36 pcs / box
Weight of packing unit (for 40'HQ container)	1009 kg
Modules per 40' HQ container	720 pcs (Subject to sales contract)

① Refer to Astronergy crystalline installation manual or contact technical department.
Maximum Mechanical Test Load=1.5×Maximum Mechanical Design Load.



Electrical Specifications

STC: Irradiance 1000W/m^2, Cell Temperature 25° C, AM=1.5

Rated output (Pmpp / Wp)	570	575	580	585	590	595
Rated voltage (Vmpp / V)	42.68	42.85	43.01	43.18	43.34	43.51
Rated current (Impp / A)	13.35	13.42	13.48	13.55	13.61	13.67
Open circuit voltage (Voc / V)	51.45	51.64	51.84	52.03	52.22	52.42
Short circuit current (Isc / A)	14.00	14.07	14.13	14.20	14.27	14.33
Module efficiency	22.1%	22.3%	22.5%	22.6%	22.8%	23.0%

Temperature Ratings (STC)

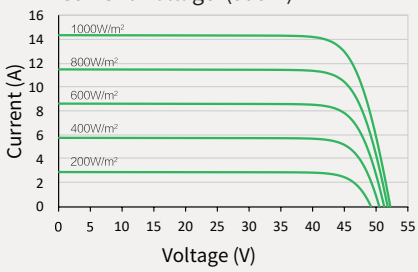
Temperature coefficient (Pmpp)	-0.29%/°C
Temperature coefficient (Isc)	+0.043%/°C
Temperature coefficient (Voc)	-0.25%/°C

Operating Parameters

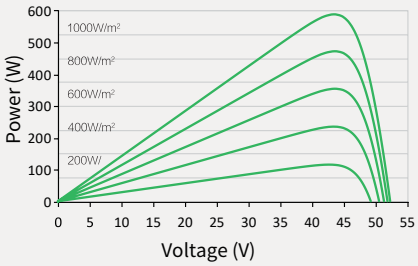
No. of diodes	3
Junction box IP rating	IP 68
Max. series fuse rating	25 A
Max. system voltage (IEC/UL)	1500V_{DC}

Curve

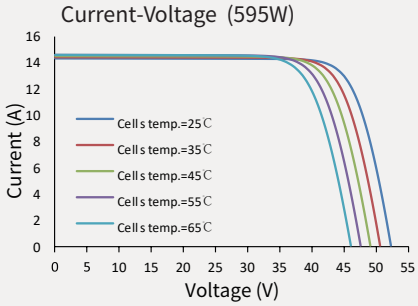
Current-Voltage (595W)



Power-Voltage (595W)



Current-Voltage (595W)



© Chint New Energy Technology Co., Ltd. Reserves the right of final interpretation. please contact our company to use the latest version for contract.
www.astronergy.com