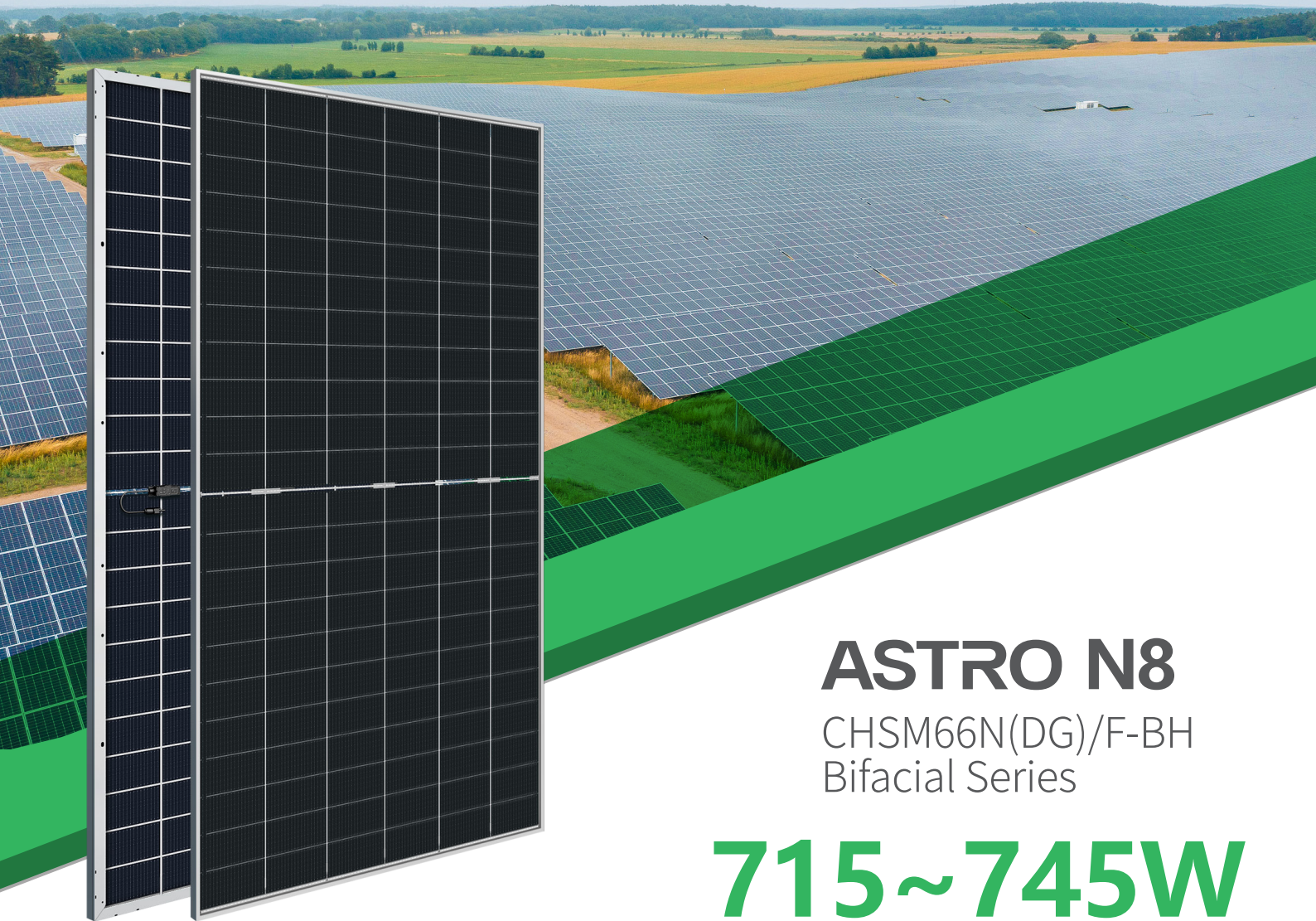




ASTRONERGY



ASTRO N8

CHSM66N(DG)/F-BH
Bifacial Series

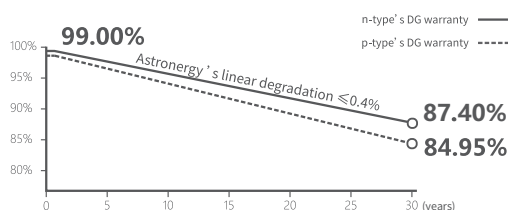
715~745W



Warranty

15 15-year Product Warranty

30 30-year Linear Power Warranty



n-type TOPCon 4.0/5.0

Cutting-edge cell tech, ultra-high product energy efficiency



Low Voc Design

Increasing per string power, lower BOS cost and LCOE



Bifacial Power Generation

Maximizing bifaciality, boosting backside power output



Multi-scenario Applications

Compatible with mainstream application scenarios



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



715~745W

POWER RANGE

0~+3%

POWER SORTING

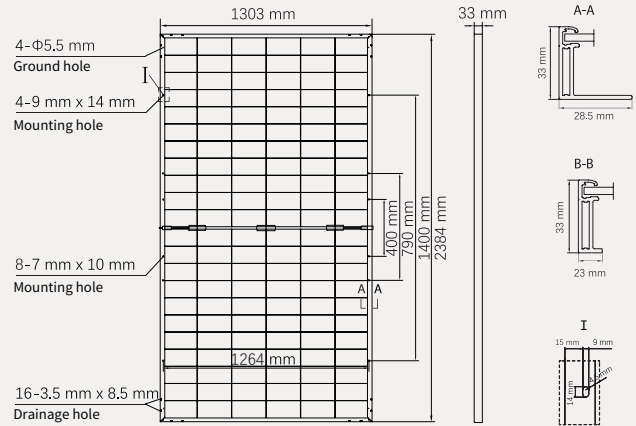
24.0%

MAX MODULE
EFFICIENCY $\leq 1.0\%$ FIRST YEAR
POWER DEGRADATION $\leq 0.4\%$ YEAR 2-30
POWER DEGRADATION

Mechanical Specifications

Outer dimensions (L x W x H)	2384 x 1303 x 33 mm
Cell type	n-type mono-crystalline
No. of cells	132 (6*22)
Frame technology	Aluminum, silver anodized
Front / Back glass	2.0+2.0 mm
Cable length (Including connector)	Portrait: (+)350 mm, (-)280 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	38 kg
Packing unit	33 pcs / box
Weight of packing unit (for 40'HQ container)	1295 kg
Modules per 40' HQ container	594 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/m², Cell Temperature 25° C, AM=1.5, Power measurement tolerance: ±3%

Rated output (Pmpp / Wp)	715	720	725	730	735	740	745
Rated voltage (Vmpp / V)	40.65	40.81	40.98	41.24	41.41	41.42	41.43
Rated current (Impp / A)	17.59	17.64	17.69	17.70	17.75	17.87	17.98
Open circuit voltage (Voc / V)	48.97	49.17	49.37	49.57	49.77	49.78	49.79
Short circuit current (Isc / A)	18.53	18.58	18.63	18.67	18.72	18.83	18.95
Module efficiency	23.0%	23.2%	23.3%	23.5%	23.7%	23.8%	24.0%

BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25° C, AM=1.5

Rated output (Pmpp / Wp)	786.5	792.0	797.5	803.0	808.5	816.2	821.7
Rated voltage (Vmpp / V)	40.65	40.82	40.98	41.25	41.41	41.43	41.44
Rated current (Impp / A)	19.35	19.40	19.46	19.47	19.52	19.70	19.83
Open circuit voltage (Voc / V)	48.97	49.17	49.37	49.57	49.77	49.85	49.86
Short circuit current (Isc / A)	20.50	20.56	20.62	20.67	20.73	20.87	21.00

Temperature Ratings (STC)

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

Operating Parameters

Operating Temperature	-40°C ~+85°C
Bifaciality (Pmpp)	80±5%
Junction box IP rating	IP 68
Max. series fuse rating	35 A
Max. system voltage (IEC/UL)	1500V _{DC}

Curve

