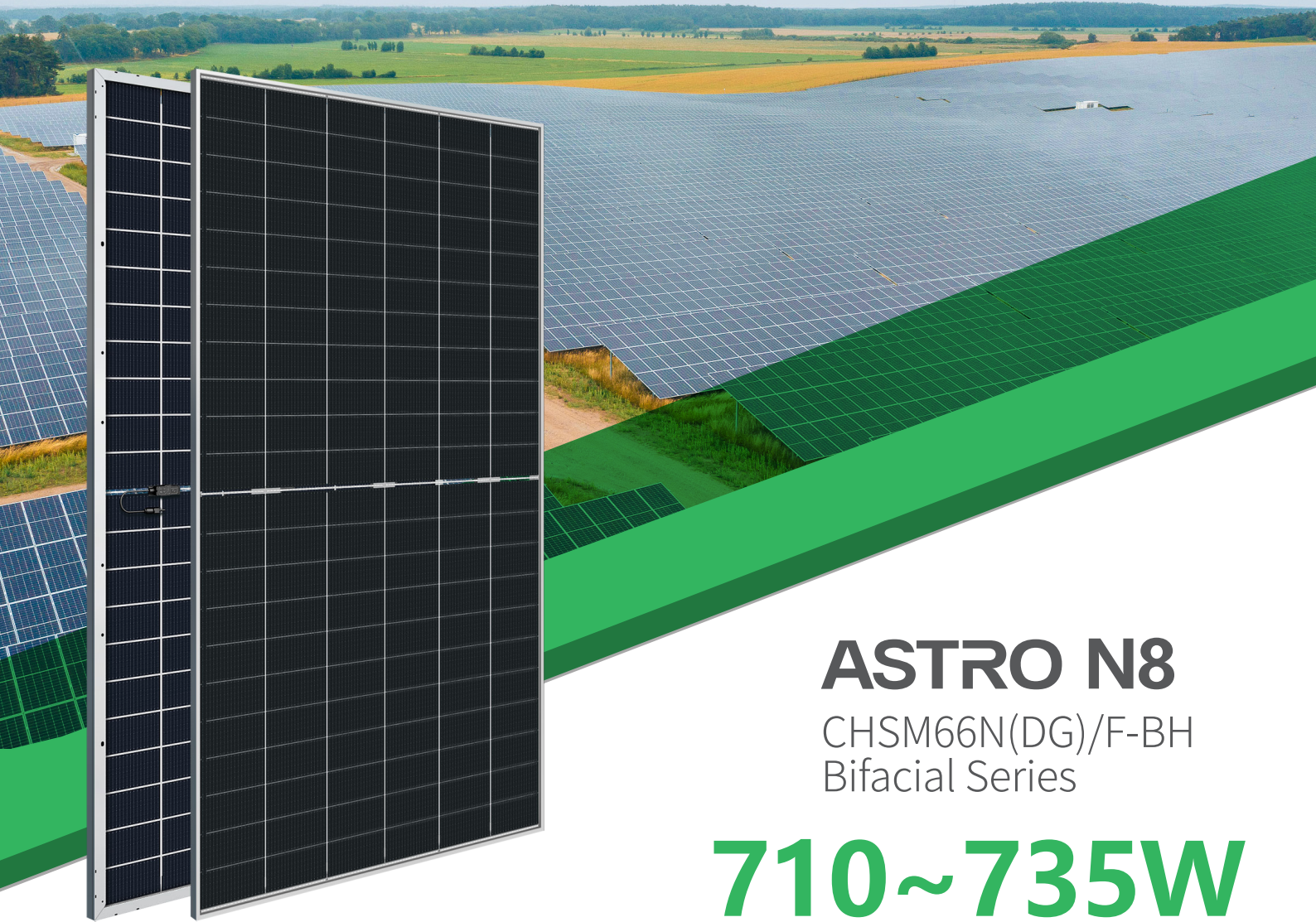




ASTRONERGY



ASTRO N8

CHSM66N(DG)/F-BH
Bifacial Series

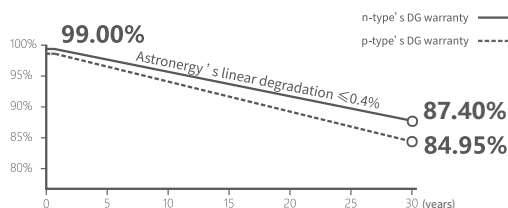
710~735W



Warranty

15 15-year Product Warranty

30 30-year Linear Power Warranty



n-type TOPCon 4.0

Novel upgrade, enhancing module 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



710~735W

POWER RANGE

0~+3%

POWER SORTING

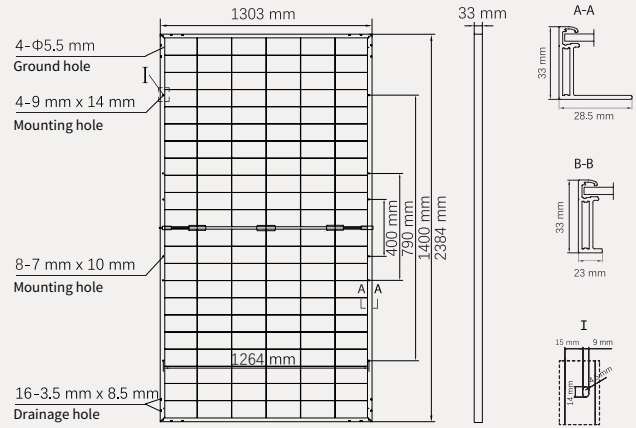
23.7%

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 (P _{mpp} / W _p)	710	715	720	725	730	735
Rated voltage (V _{mpp} / V)	40.48	40.65	40.81	40.98	41.24	41.41
Rated current (I _{mp} / A)	17.54	17.59	17.64	17.69	17.70	17.75
Open circuit voltage (V _{oc} / V)	48.77	48.97	49.17	49.37	49.57	49.77
Short circuit current (I _{sc} / A)	18.48	18.53	18.58	18.63	18.67	18.72
Module efficiency	22.9%	23.0%	23.2%	23.3%	23.5%	23.7%

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

Rated output (P _{mpp} / W _p)	781.0	786.5	792.0	797.5	803.0	808.5
Rated voltage (V _{mpp} / V)	40.48	40.65	40.82	40.98	41.25	41.41
Rated current (I _{mp} / A)	19.29	19.35	19.40	19.46	19.47	19.52
Open circuit voltage (V _{oc} / V)	48.77	48.97	49.17	49.37	49.57	49.77
Short circuit current (I _{sc} / A)	20.45	20.50	20.56	20.62	20.67	20.73

Temperature Ratings (STC)

Temperature coefficient (P _{mpp})	-0.29%/°C
Temperature coefficient (I _{sc})	+0.043%/°C
Temperature coefficient (V _{oc})	-0.25%/°C

Operating Parameters

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

Curve

