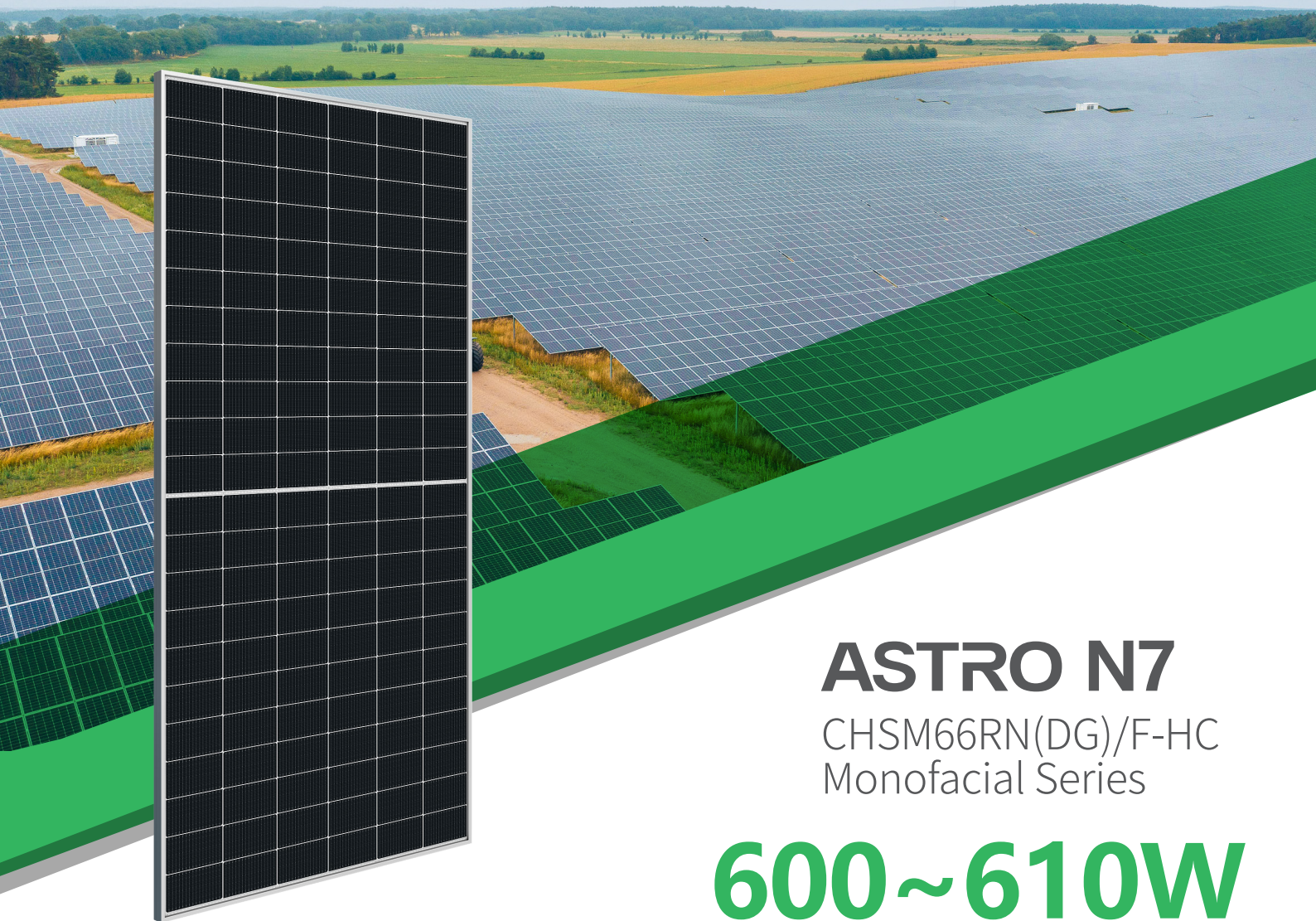




ASTRONERGY

Special for Australian Market
Preliminary



ASTRO N7

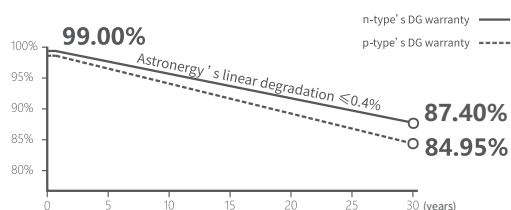
CHSM66RN(DG)/F-HC
Monofacial Series

600~610W

Warranty

15 15-year Product Warranty

30 30-year Linear Power Warranty



Key Features

- TOPCon / Half-cut
- Better temperature coefficient (Pmpp)
- Non-destructive cutting
- PID resistance
- Low BOS cost & LCOE



ISO 9001:2015:ISO Quality Management System
ISO 14001:2015:ISO Environment Management System
ISO 45001:Occupational Health and Safety



Tier 1
BloombergNEF



600~610W

POWER RANGE

0~+3%

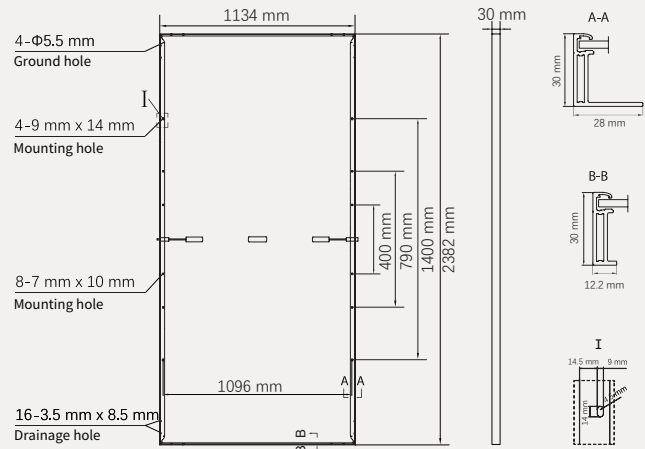
POWER SORTING

22.6%MAX MODULE
EFFICIENCY**≤ 1.0%**FIRST YEAR
POWER DEGRADATION**≤ 0.4%**YEAR 2-30
POWER DEGRADATION

Mechanical Specifications

Outer dimensions (L x W x H)	2382 x 1134 x 30 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, (-)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)	PV-HCB40 (Chint New Energy) or PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy (Stäubli)
Module weight	32.8 kg
Packing unit	36 pcs / box
Weight of packing unit (for 40'HQ container)	1231 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

CHSM66RN(DG)/F-HC-XXX(XXX=600-610)

STC: Irradiance 1000W/m², Cell Temperature 25° C, AM=1.5

Rated output (Pmpp / Wp)	600	605	610
Rated voltage (Vmpp / V)	41.05	41.18	41.31
Rated current (Impp / A)	14.62	14.69	14.77
Open circuit voltage (Voc / V)	48.44	48.59	48.74
Short circuit current (Isc / A)	15.78	15.86	15.94
Module efficiency	22.2%	22.4%	22.6%

Tolerance: Pmpp ±3%, Voc ±3% and Isc ±4%.

Temperature Ratings (STC)

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

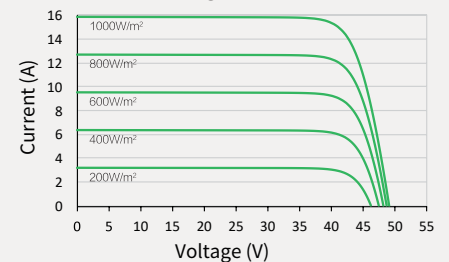
Operating Parameters

No. of diodes	3
Junction box IP rating	IP 68
Max. series fuse rating	30 A
Max. system voltage (IEC/UL)	1500V _{DC}

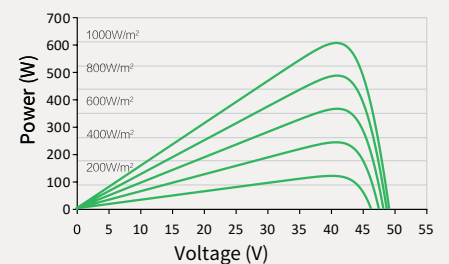
Fire performance: Class A / Class C

Curve

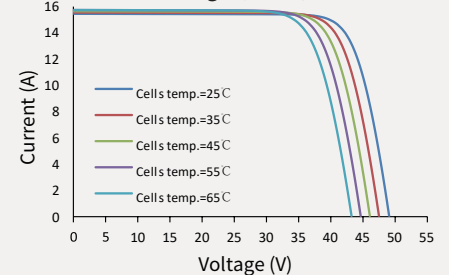
Current-Voltage (610W)



Power-Voltage (610W)



Current-Voltage (610W)



Made in China, Made in Turkey.

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<http://www.astronergy.com.au>

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