



ASTRONERGY

Special for Australian Market

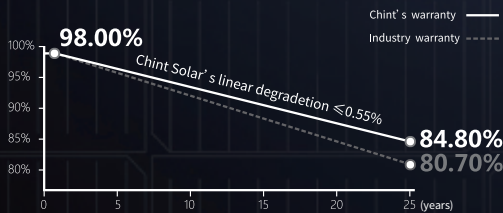
ASTRO 4 Semi

Create Sustainable and Efficient Green Energy

CHSM60M-HC Monofacial Series (166)

360~375W

PERC+ / Multi-busbar / Half-cut



- 12-year Product Warranty (Standard)
- 15-year Product Warranty (Optional, special for rooftop market)
- 25-year Linear Power Warranty



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



360~375W

POWER RANGE

0~+5W

POWER TOLERANCE

20.6%

MAX MODULE EFFICIENCY

≤ 2.0%

FIRST YEAR POWER DEGRADATION

≤ 0.55%

YEAR 2-25 POWER DEGRADATION

Electrical Specifications

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

Type	CHSM60M-HC-360	CHSM60M-HC-365	CHSM60M-HC-370	CHSM60M-HC-375
Rated output (P _{mpp} / Wp)	360	365	370	375
Rated voltage (V _{mpp} / V)	33.49	33.73	33.98	34.28
Rated current (I _{mpp} / A)	10.75	10.82	10.89	10.94
Open circuit voltage (V _{oc} / V)	40.14	40.41	40.75	41.05
Short circuit current (I _{sc} / A)	11.21	11.29	11.35	11.42
Module efficiency	19.8%	20.0%	20.3%	20.6%

NMOT: Irradiance 800W/m², Ambient Temperature 20° C, AM=1.5, Wind Speed 1m/s

Rated output (P _{mpp} / Wp)	268.5	272.2	275.9	279.6
Rated voltage (V _{mpp} / V)	31.22	31.45	31.68	31.96
Rated current (I _{mpp} / A)	8.60	8.65	8.71	8.75
Open circuit voltage (V _{oc} / V)	37.74	37.99	38.31	38.59
Short circuit current (I _{sc} / A)	9.02	9.08	9.13	9.19

Power Sorting: 0~+5W Measurement tolerance +/- 3%

Temperature Ratings (STC)

Temperature coefficient (P _{mpp})	-0.35%/°C	No. of diodes	3
Temperature coefficient (I _{sc})	+0.050%/°C	Junction box IP rating	IP 68
Temperature coefficient (V _{oc})	-0.27%/°C	Max. series fuse rating	20 A
Nominal module operating temperature (NMOT)	41±2°C	Max. system voltage (IEC/UL)	1500V _{DC}
Fire performance	Class C		

Operating Parameters

Mechanical Specifications

Outer dimensions (L x W x H)	1755 x 1038 x 35 mm
Cell Type	P type Mono-crystalline
No. of cells	120 (6*20)
Frame technology	Aluminum, silver anodized
Front glass thickness	3.2 mm
Cable length (IEC/UL)	Portrait: 300 mm; Landscape: 1200 mm
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 (Astronergy) or PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy (Stäubli)
Module weight	19.4 kg
Packing unit	31 pcs / box (Subject to sales contract)
Weight of packing unit (for 40'HQ container)	630 kg
Modules per 40' HQ container	806 pcs

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

Curve

