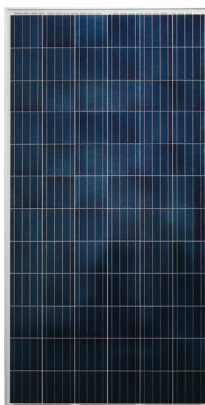


For Global Market



DIAMOND™

Crystalline PV Module CHSM6612P Series

- ▶ Extended 30-year performance warranty & 12-year product warranty
- ▶ Up to PID free 1000h ability (@85°C/85%, -1000V)
- ▶ Achieve to Snail trial free with optimized module process
- ▶ Applicable for the extremely stringent environment



305 310 315 320 325

EN

ELECTRICAL SPECIFICATIONS

	305	310	315	320	325
STC rated output (P_{mpp})*	305 Wp	310 Wp	315 Wp	320 Wp	325 Wp
PTC rated output (P_{mpp})**	277.9 Wp	282.5 Wp	287.2 Wp	291.9 Wp	296.6 Wp
Standard sorted output	0/+5 Wp				
Warranted power output STC ($P_{nominal}$)	305 Wp	310 Wp	315 Wp	320 Wp	325 Wp
Rated voltage (V_{mpp}) at STC	35.77 V	35.80 V	35.83 V	35.86 V	36.31 V
Rated current (I_{mpp}) at STC	8.53 A	8.68 A	8.80 A	8.92 A	8.95 A
Open circuit voltage (V_{oc}) at STC	45.29 V	45.42 V	45.55 V	45.68 V	45.82 V
Short circuit current (I_{sc}) at STC	8.95 A	8.99 A	9.02 A	9.06 A	9.10 A
Module efficiency	15.8%	16.0%	16.3%	16.5%	16.8%
Rated output (P_{mpp}) at NOCT	213.0 Wp	216.5 Wp	220.0 Wp	223.5 Wp	226.9 Wp
Rated voltage (V_{mpp}) at NOCT	32.67 V	32.70 V	32.71 V	32.72 V	33.18 V
Rated current (I_{mpp}) at NOCT	6.52 A	6.62 A	6.73 A	6.83 A	6.84 A
Open circuit voltage (V_{oc}) at NOCT	41.56 V	41.68 V	41.80 V	41.92 V	42.04 V
Short circuit current (I_{sc}) at NOCT	6.92 A	6.95 A	6.98 A	7.01 A	7.04 A
Temperature coefficient (P_{mpp})	- 0.408%/K		Maximum system voltage (IEC)		
Temperature coefficient (I_{sc})	+0.050%/K		1000 V _{DC} ***		
Temperature coefficient (I_{mpp})	- 0.003%/K		Number of diodes		
Temperature coefficient (V_{mpp})	- 0.406%/K		6 (or 3)		
Temperature coefficient (V_{oc})	- 0.311%/K		Maximum series fuse rating		
Normal operating cell temperature (NOCT)	46±2°C		15 A		

*** Option: 1500VDC for special requirement in advance

* Measurement tolerance +/- 3%
** Estimated



A CHINT COMPANY



ASTRONERGY

RELATED PARAMETERS

Cell type	polycrystalline
Number of cells / cell arrangement	72 / 6 x 12
Cells dimension	6"
Packing unit	25 modules
Weight of packing unit	703 kg / 1550 lbs

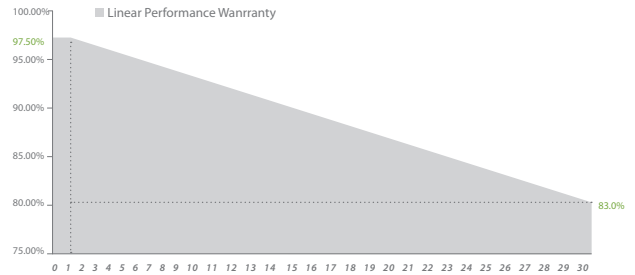
MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	1954 x 990 x 40 mm 76.93 x 38.98 x 1.57 in
Frame technology	Aluminum, silver anodized
Module composition	Glass / PO / Backsheet (white)
Weight (module only)	25.8 kg / 56.9 lbs
Front glass thickness	4.0 mm / 0.16 in
Junction box IP rating	IP 65 (above)
*Cable length (IEC)	1150 mm / 45.28 in
Cable diameter (IEC)	12 AWG / 4 mm ²
Maximum load capacity	5400 Pa
Fire performance (UL/IEC)	Type 1 (UL) or Class C (IEC)
Connector type (IEC)	MC type 4 compatible

* Option: 1000 mm for defined projects in advance.

QUALIFICATION AND LINEAR WARRANTIES

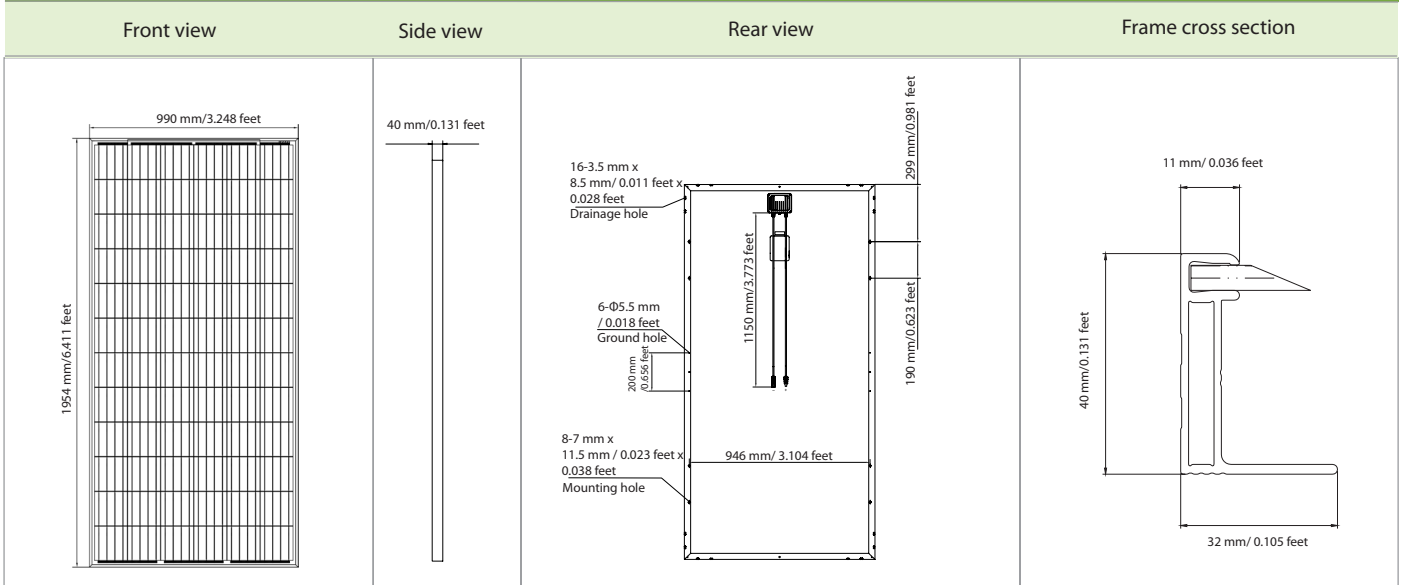
Product standard	IEC 61215, 61730
Extended product warranty	12 years
Output decline 2.5%/year performance P _{mpp} (STC)	1 st year
Output decline 0.5%/year performance P _{mpp} (STC)	2 nd - 30 th years



ARTICLE NUMBER (per panel)-DIAMOND CHSM6612P Series

Model	Article No. (IEC)
(DIAMOND) CHSM6612P-305	200564
(DIAMOND) CHSM6612P-310	200565
(DIAMOND) CHSM6612P-315	200566
(DIAMOND) CHSM6612P-320	200567
(DIAMOND) CHSM6612P-325	200568

MODULE DIMENSION DETAILS



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