



STAVETM

Crystalline PV Module

CHSM6610P Series

CHSM6610P/HV Series

- ▶ With innovational 5-busbar cells
- ▶ Increasing cell efficiency
- ▶ Reducing cell series resistance
- ▶ More power output

CHSM6610P max system voltage 1000V standard, CHSM6610P/HV max system voltage 1500V standard

255	260	265	270	275
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ELECTRICAL SPECIFICATIONS					
STC rated output (P_{mpp})*	255 Wp	260 Wp	265 Wp	270 Wp	275 Wp
PTC rated output (P_{mpp})**	235.5 Wp	240.3 Wp	245.0 Wp	249.7 Wp	254.4 Wp
Standard sorted output	0/+5 Wp				
Warranted power output STC ($P_{nominal}$)	255 Wp	260 Wp	265 Wp	270 Wp	275 Wp
Rated voltage (V_{mpp}) at STC	30.66 V	30.88 V	30.92 V	31.08 V	31.12 V
Rated current (I_{mpp}) at STC	8.33 A	8.43 A	8.58 A	8.70 A	8.85 A
Open circuit voltage (V_{oc}) at STC	37.48 V	37.72 V	37.87 V	38.00 V	38.45 V
Short circuit current (I_{sc}) at STC	8.85 A	8.95 A	9.18 A	9.45 A	9.52 A
Module efficiency	15.6%	15.9%	16.2%	16.5%	16.9%
Rated output (P_{mpp}) at NOCT	191.3 Wp	195.0 Wp	198.8 Wp	202.5 Wp	206.3 Wp
Rated voltage (V_{mpp}) at NOCT	27.73 V	27.94 V	27.98 V	28.12 V	28.15 V
Rated current (I_{mpp}) at NOCT	6.90 A	6.98 A	7.10 A	7.20 A	7.33 A
Open circuit voltage (V_{oc}) at NOCT	34.24 V	34.46 V	34.60 V	34.71 V	35.13 V
Short circuit current (I_{sc}) at NOCT	7.45 A	7.54 A	7.73 A	7.96 A	8.02 A
Temperature coefficient (P_{mpp})	- 0.407%/K				
Temperature coefficient (I_{sc})	+0.049%/K				
Temperature coefficient (I_{mpp})	- 0.000%/K				
Temperature coefficient (V_{mpp})	- 0.408%/K				
Temperature coefficient (V_{oc})	- 0.310%/K				
Normal operating cell temperature (NOCT)	43±2°C				
Maximum system voltage (IEC/UL)	1000V _{DC} / 1000V _{DC} or 1500V _{DC} / 1500V _{DC}				
Number of diodes	3				
Maximum series fuse rating	15 A				

* Measurement tolerance +/- 3%

** Estimated



RELATED PARAMETERS

Cell type	Polycrystalline
Number of cells / cell arrangement	60 / 6 x 10
Cells dimension	6"
Packing unit	27 modules
Weight of packing unit (for container)	551 kg / 1215 lbs

MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	1648 x 990 x 40 mm 64.88 x 38.98 x 1.57 in
Frame technology	Aluminum, silver anodized
Module composition	Glass / EVA / Backsheet (white)
Weight (module only)	18.6 kg / 41.01 lbs
Front glass thickness	3.2 mm / 0.13 in
Junction box IP rating	IP 67
① Cable length(UL/IEC)	1000 mm / 39.37 in
Cable diameter (UL/IEC)	12 AWG / 4 mm ²
② Maximum load capacity	5400 Pa
Fire performance (UL/IEC)	Type 1 (UL) or Class C (IEC)
Connector type (UL/IEC)	MC4 compatible

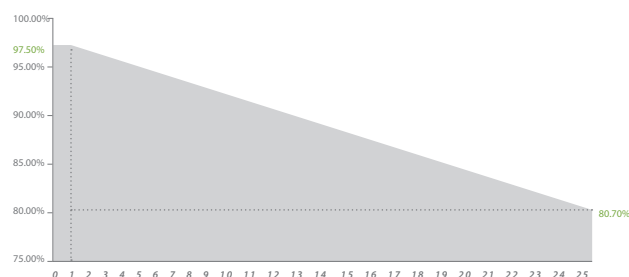
① Option: 900(+)/600(-) mm for defined projects in advance.

② Refer to Astronergy crystalline installation manual.

QUALIFICATION AND LINEAR WARRANTIES

Product standard	IEC61215, 61730 / UL1703
Extended product warranty	10 years
Output decline 2.5%/year performance P _{mpp} (STC)	1 st year
Output decline 0.7%/year performance P _{mpp} (STC)	2 nd - 25 th years

LINEAR PERFORMANCE WARRANTY



MODULE DIMENSION DETAILS

Front view	Side view	Rear view	Frame cross section

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