



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

EN

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 |

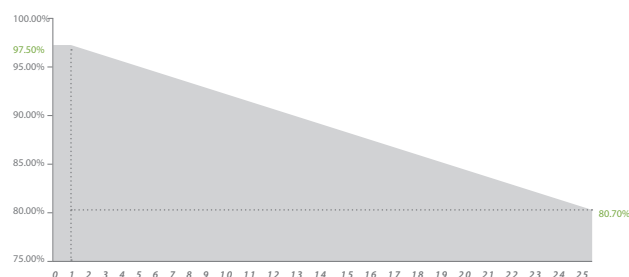
① Option: 900(+)/600(-) mm for defined projects in advance.

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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