



# Datasheet

## Crystalline PV Module

### NMC CHSM6610P Series

\* NMC : Cell made in Non-Mainland China

EN

| 240 | 245 | 250 | 255 | 260 |
|-----|-----|-----|-----|-----|
|-----|-----|-----|-----|-----|

#### ELECTRICAL SPECIFICATIONS

|                                               |                      |          |          |          |          |
|-----------------------------------------------|----------------------|----------|----------|----------|----------|
| STC rated output ( $P_{mpp}$ )*               | 240 Wp               | 245 Wp   | 250 Wp   | 255 Wp   | 260 Wp   |
| PTC rated output ( $P_{mpp}$ )**              | 218.5 Wp             | 223.2 Wp | 227.9 Wp | 232.5 Wp | 237.2 Wp |
| Standard sorted output                        | 0/+5 Wp              |          |          |          |          |
| Warranted power output STC ( $P_{mpp \min}$ ) | 240 Wp               | 245 Wp   | 250 Wp   | 255 Wp   | 260 Wp   |
| Rated voltage ( $V_{mpp}$ ) at STC            | 29.54 V              | 29.92 V  | 30.30 V  | 30.68 V  | 31.05 V  |
| Rated current ( $I_{mpp}$ ) at STC            | 8.13 A               | 8.20 A   | 8.27 A   | 8.33 A   | 8.39 A   |
| Open circuit voltage ( $V_{oc}$ ) at STC      | 37.77 V              | 37.98 V  | 38.19 V  | 38.40 V  | 38.53 V  |
| Short circuit current ( $I_{sc}$ ) at STC     | 8.59 A               | 8.62 A   | 8.65 A   | 8.69 A   | 8.72 A   |
| Module efficiency                             | 14.6%                | 14.9%    | 15.2%    | 15.5%    | 15.8%    |
| Rated output ( $P_{mpp}$ ) at NOCT            | 180.0 Wp             | 183.8 Wp | 187.5 Wp | 191.3 Wp | 195.0 Wp |
| Rated voltage ( $V_{mpp}$ ) at NOCT           | 26.75 V              | 27.06 V  | 27.37 V  | 27.73 V  | 28.08 V  |
| Rated current ( $I_{mpp}$ ) at NOCT           | 6.73 A               | 6.79 A   | 6.85 A   | 6.90 A   | 6.95 A   |
| Open circuit voltage ( $V_{oc}$ ) at NOCT     | 34.50 V              | 34.70 V  | 34.89 V  | 35.08 V  | 35.20 V  |
| Short circuit current ( $I_{sc}$ ) at NOCT    | 7.23 A               | 7.26 A   | 7.28 A   | 7.32 A   | 7.34 A   |
| Temperature coefficient ( $P_{mpp}$ )         | - 0.47%/K            |          |          |          |          |
| Temperature coefficient ( $I_{sc}$ )          | +0.052%/K            |          |          |          |          |
| Temperature coefficient ( $I_{mpp}$ )         | - 0.008%/K           |          |          |          |          |
| Temperature coefficient ( $V_{mpp}$ )         | - 0.463%/K           |          |          |          |          |
| Temperature coefficient ( $V_{oc}$ )          | - 0.344%/K           |          |          |          |          |
| Normal operating cell temperature (NOCT)      | 43±2°C               |          |          |          |          |
| Maximum system voltage UL                     | 1000 V <sub>dc</sub> |          |          |          |          |
| Number of diodes                              | 6 (or 3)             |          |          |          |          |
| Maximum series fuse rating                    | 15 A                 |          |          |          |          |

\* Measurement tolerance    +/- 3%

\*\* Estimated



## RELATED PARAMETERS

|                                    |                   |
|------------------------------------|-------------------|
| Cell type                          | polycrystalline   |
| Number of cells / cell arrangement | 60 / 6 x10        |
| Cells dimension                    | 6"                |
| Packing unit                       | 25 modules        |
| Weight of packing unit             | 530 kg / 1166 lbs |

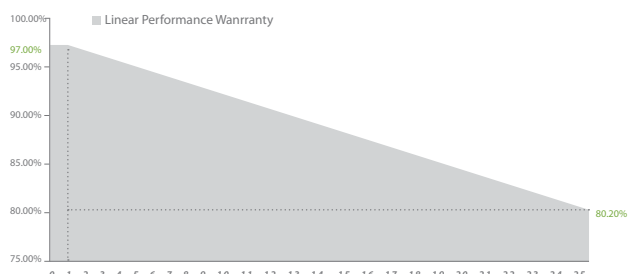
## MECHANICAL SPECIFICATIONS

|                              |                                               |
|------------------------------|-----------------------------------------------|
| Outer dimensions (L x W x H) | 1652 x 994 x 40 mm<br>65.04 x 39.13 x 1.57 in |
| Frame technology             | Aluminum, silver anodized                     |
| Module composition           | Glass / EVA / Backsheet (white)               |
| Weight (module only)         | 19.5 kg / 42.9 lbs                            |
| Front glass thickness        | 3.2 mm / 0.13 in                              |
| Junction box IP rating       | IP 65 (above)                                 |
| *Cable length (UL)           | 1000 mm / 39.37 in                            |
| Cable diameter (UL)          | 12 AWG                                        |
| Maximum load capacity        | 5400 Pa                                       |
| Fire class                   | C                                             |
| Connector type (UL)          | MC type 4 compatible                          |

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

## QUALIFICATION AND LINEAR WARRANTIES

|                                                             |                                          |
|-------------------------------------------------------------|------------------------------------------|
| Product standard                                            | UL 1703                                  |
| Extended product warranty                                   | 10 years                                 |
| Output decline 3%/year performance P <sub>mpp</sub> (STC)   | 1 <sup>st</sup> year                     |
| Output decline 0.7%/year performance P <sub>mpp</sub> (STC) | 2 <sup>nd</sup> ~ 25 <sup>th</sup> years |



## ARTICLE NUMBER (per panel) - (NMC) CHSM6610P Series

| Model               | Article No. (UL) |
|---------------------|------------------|
| (NMC) CHSM6610P-240 | 200200           |
| (NMC) CHSM6610P-245 | 200201           |
| (NMC) CHSM6610P-250 | 200202           |
| (NMC) CHSM6610P-255 | 200272           |
| (NMC) CHSM6610P-260 | 200273           |

## MODULE DIMENSION DETAILS

| Front view | Side view | Rear view | Frame cross section |
|------------|-----------|-----------|---------------------|
|            |           |           |                     |

© Chint Solar (Zhejiang) Co., Ltd. All rights reserved.  
Specifications and designs included in this datasheet are subject to change without notice.

