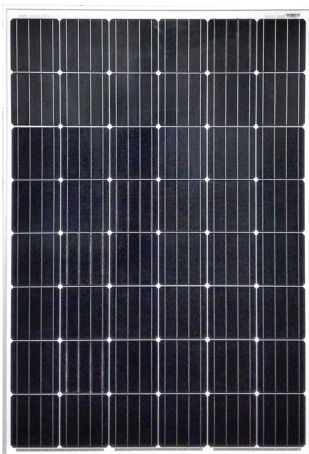


For Global Market



NOVA™ Crystalline PV Module

CHSM6608M Series CHSM6608M/HV Series

CHSM6608M is 1000V standard, CHSM6608M/HV is 1500V standard.

210 215 220 225 230

EN

| ELECTRICAL SPECIFICATIONS | | | | | |
|--|---------------------------|----------|----------|----------|----------|
| | 210 Wp | 215 Wp | 220 Wp | 225 Wp | 230 Wp |
| STC rated output (P_{mpp})* | 210 Wp | 215 Wp | 220 Wp | 225 Wp | 230 Wp |
| PTC rated output (P_{mpp})** | 187.5 Wp | 192.1 Wp | 196.7 Wp | 201.4 Wp | 206.0 Wp |
| Standard sorted output | 0/+5 Wp | | | | |
| Warranted power output STC ($P_{nominal}$) | 210 Wp | 215 Wp | 220 Wp | 225 Wp | 230 Wp |
| Rated voltage (V_{mpp}) at STC | 25.01 V | 25.35 V | 25.61 V | 26.10 V | 26.47 V |
| Rated current (I_{mpp}) at STC | 8.43 A | 8.52 A | 8.60 A | 8.62 A | 8.69 A |
| Open circuit voltage (V_{oc}) at STC | 30.76 V | 30.91 V | 31.09 V | 31.23 V | 31.45 V |
| Short circuit current (I_{sc}) at STC | 8.75 A | 8.79 A | 8.84 A | 8.92 A | 9.01 A |
| Module efficiency | 15.9% | 16.3% | 16.7% | 17.1% | 17.4% |
| Rated output (P_{mpp}) at NOCT | 152.2 Wp | 155.8 Wp | 159.4 Wp | 163.1 Wp | 166.7 Wp |
| Rated voltage (V_{mpp}) at NOCT | 22.27 V | 22.55 V | 22.86 V | 23.33 V | 23.66 V |
| Rated current (I_{mpp}) at NOCT | 6.84 A | 6.91 A | 6.97 A | 6.99 A | 7.05 A |
| Open circuit voltage (V_{oc}) at NOCT | 27.99 V | 28.13 V | 28.29 V | 28.42 V | 28.62 V |
| Short circuit current (I_{sc}) at NOCT | 7.22 A | 7.26 A | 7.29 A | 7.36 A | 7.44 A |
| Temperature coefficient (P_{mpp}) | - 0.47%/K | | | | |
| Temperature coefficient (I_{sc}) | + 0.035%/K | | | | |
| Temperature coefficient (I_{mpp}) | - 0.042%/K | | | | |
| Temperature coefficient (V_{mpp}) | - 0.433%/K | | | | |
| Temperature coefficient (V_{oc}) | - 0.328%/K | | | | |
| Normal operating cell temperature (NOCT) | 47±2°C | | | | |
| Maximum system voltage (UL/IEC) | 1000/1500 V _{dc} | | | | |
| Number of diodes | 6 (or 3) | | | | |
| Maximum series fuse rating | 15 A | | | | |

* Measurement tolerance +/- 3%
** Estimated



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RELATED PARAMETERS

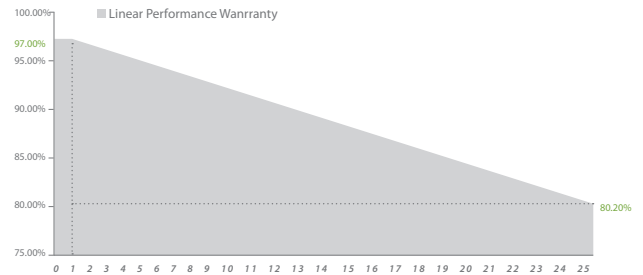
| | |
|------------------------------------|------------------|
| Cell type | monocrystalline |
| Number of cells / cell arrangement | 48 / 6 x 8 |
| Cells dimension | 6" |
| Packing unit | 25 modules |
| Weight of packing unit | 416 kg / 917 lbs |

MECHANICAL SPECIFICATIONS

| | |
|-------------------------------|---|
| Outer dimensions (L x W x H) | 1332 x 990 x 40 mm 52.44 x 38.98 x 1.57 in |
| Frame technology | Aluminum, silver anodized |
| Module composition | Glass / EVA / Backsheet (white) |
| Weight (module only) | 15.0 kg / 33.1 lbs |
| Front glass thickness | 3.2 mm / 0.13 in |
| Junction box IP rating | IP 65 (above) |
| Cable length / diameter (UL) | 1000 mm / 39.37 in / 12 AWG |
| Cable length / diameter (IEC) | 1000 mm / 39.37 in / 4 mm ² |
| Maximum load capacity | 5400 Pa |
| Fire performance (UL/IEC) | Type 1 (UL) or Class C (IEC) |
| Connector type (UL/IEC) | MC4 compatible |

QUALIFICATION AND LINEAR WARRANTIES

| | |
|---|--|
| Product standard | IEC 61215, 61730 / UL 1703 |
| Extended product warranty | 10 years |
| Output decline 3%/year performance P _{mpp} (STC) | 1 st year |
| Output decline 0.7%/year performance P _{mpp} (STC) | 2 nd - 25 th years |



ARTICLE NUMBER

| Model | Article No. (IEC) | Article No. (UL) |
|-------------------------|-------------------|------------------|
| (NOVA) CHSM6608M-210 | 100440 | 100445 |
| (NOVA) CHSM6608M-215 | 100441 | 100446 |
| (NOVA) CHSM6608M-220 | 100442 | 100447 |
| (NOVA) CHSM6608M-225 | 100443 | 100448 |
| (NOVA) CHSM6608M-230 | 100496 | 100498 |
| (NOVA) CHSM6608M/HV-210 | 900031 | 900036 |
| (NOVA) CHSM6608M/HV-215 | 900032 | 900037 |
| (NOVA) CHSM6608M/HV-220 | 900033 | 900038 |
| (NOVA) CHSM6608M/HV-225 | 900034 | 900039 |
| (NOVA) CHSM6608M/HV-230 | 900072 | 900074 |

MODULE DIMENSION DETAILS

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

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