

CHASER-M6/144P

455-475W

HJT 9BB HALF-CUT BIFACIAL
DOUBLE GLASS MODULE

Hi-Chaser

SK8612HDGDC

30

30-year quality warranty with longer operational life

1500V

1500V high system voltage design



Fire class A, harsh environment adaptability

Consist of double-glass, with special design cells,
Outstanding anti-PID performance.



30 -year power warranty

Bifacial module ensures 30-year outdoor operation, longer than the
conventional type of normally 25 years.



Elegant appearance & high performance

The bifacial module is of high light transmittance to ensure good
performance, an advanced solution that enables more energy generation,
light capturing and elegant appearance.



1500V system voltage

Maximum 1500V DC system voltage , excellent insulation performance
and lower total system cost.

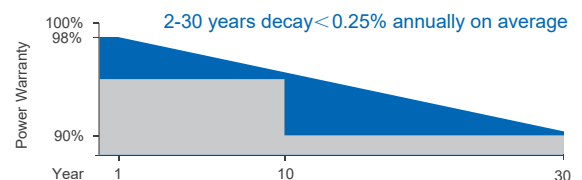
LINEAR PERFORMANCE WARRANTY

12
years

Product warranty on materials and workmanship

30
years

Linear power output warranty



CERTIFICATES

ISO 9001: 2015
Quality Management System

IEC 61215 / IEC 61730

ISO 14001: 2015
Environmental Management System

OHSAS 18001: 2007
Occupational Health &
Safety Management System

*Certification requirements vary in different markets, please consult with Akcome Optronics sales team for appropriate certification.



ELECTRICAL PARAMETERS @ STC

| Parameter | 455 | 460 | 465 | 470 | 475 |
|-------------------------------|-------|-------|-------|-------|-------|
| Max. Power Output Pmax (W) | 455 | 460 | 465 | 470 | 475 |
| Power Tolerance | 0~+3% | 0~+3% | 0~+3% | 0~+3% | 0~+3% |
| Max. Power Voltage Vmp (V) | 45.10 | 45.30 | 45.50 | 45.70 | 45.90 |
| Max. Power Current Imp (A) | 10.09 | 10.15 | 10.22 | 10.28 | 10.35 |
| Open Circuit Voltage Voc (V) | 53.05 | 53.35 | 53.65 | 53.95 | 54.25 |
| Short Circuit Current Isc (A) | 10.90 | 10.94 | 10.98 | 11.02 | 11.06 |
| Module Efficiency (%) | 20.93 | 21.16 | 21.39 | 21.62 | 21.85 |

*STC (Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5
*Measurement Tolerance (±3.0%)

Inegrated Power @ STC (Refrence to 465W front)

| Power Gains | 5% | 10% | 15% | 20% | 25% |
|-------------------------------|-------|-------|-------|-------|-------|
| Max. Power Output Pmax (W) | 488 | 512 | 534 | 557 | 580 |
| Max. Power Voltage Vmp (V) | 45.50 | 45.50 | 45.40 | 45.40 | 45.40 |
| Max. Power Current Imp (A) | 10.73 | 11.24 | 11.75 | 12.26 | 12.77 |
| Open Circuit Voltage Voc (V) | 53.65 | 53.65 | 53.75 | 53.75 | 53.75 |
| Short Circuit Current Isc (A) | 11.53 | 12.08 | 12.63 | 13.18 | 13.73 |

TEMPERATURE COEFFICIENTS

| | |
|---------------------------------|-------------|
| Temperature Coefficients of Pmp | -0.24%/ °C |
| Temperature Coefficients of Voc | -0.22%/ °C |
| Temperature Coefficients of Isc | +0.047%/ °C |

MECHANICAL PARAMETERS

| | |
|----------------------|----------------------------|
| Cell Type | HJT 166x83mm |
| Number of Cells | 144pcs(6x24) |
| Dimensions (L*W*H) | 2094x1038x30mm |
| Weight | 27.0kg |
| Frame | Anodised Aluminum |
| Junction Box | IP68, 3 bypass diodes |
| Cable, Length | 4.0mm ² , 300mm |

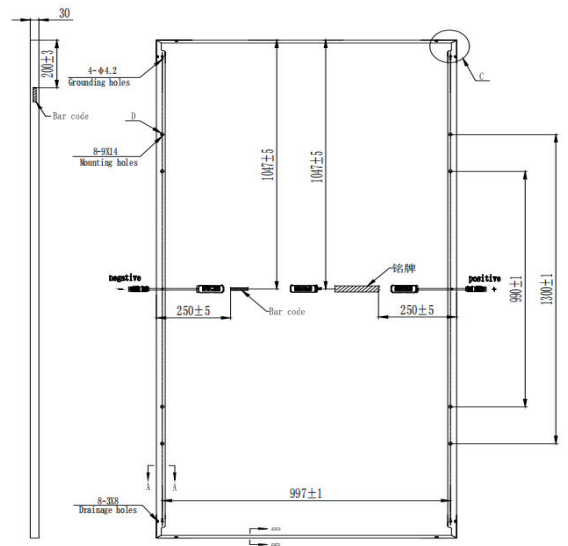
OPERATING CONDITION

| | |
|--------------------------------|-----------|
| Maximum System Voltage(V) | 1500(DC) |
| Operating Temperature(°C) | -40~+85 |
| Max. Wind Load / Snow Load(pa) | 2400/5400 |
| Max. Over Current(A) | 20 |
| Fire Rating | Class A |
| NOCT(°C) | 45±2 |
| Bifaciality | 85±5% |

PACKAGE INFORMATION

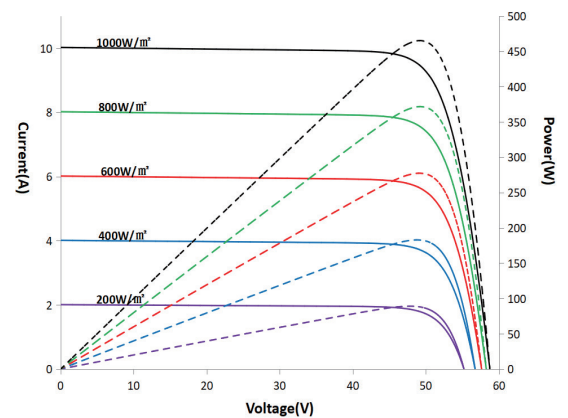
| | |
|-------------------|-------------|
| Container 40'HQ | 770pcs |
| Quantity / Pallet | CTNR: 35pcs |

ASSEMBLY DRAWING (Unit:mm)



I-V CURVES

Test temperature 25°C



Irradiance: AM1.5, 1000W/m²

