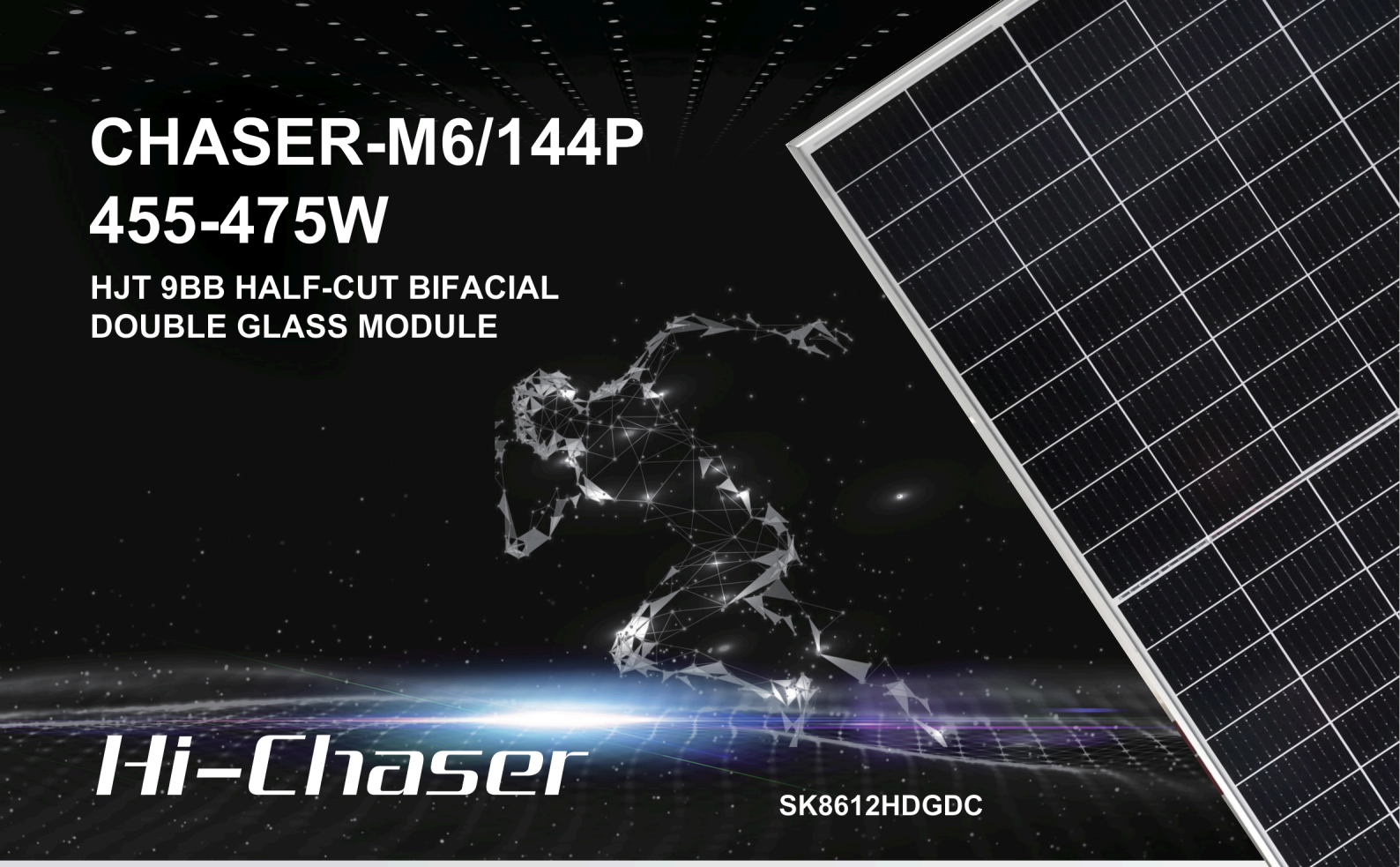
CHASER-M6/144P
455-475W

HJT 9BB HALF-CUT BIFACIAL DOUBLE GLASS MODULE



Hi-Chaser

SK8612HDGDC

1500V

1500V high system voltage design

Fire class A, harsh environment adaptability

Consist of double-glass, with special design cells,

Outstanding anti-PID performance.

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.

CERTIFICATES

ISO 9001: 2015
Quality Management System

ISO 14001: 2015
Environmental Management System

IEC 61215 / IEC 61730

OHSAS 18001: 2007
Occupational Health &
Safety Managemnet System

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

AKCOME

TÜV NORD CE

Hi-Chaser

CHASER-M6/144P
455-475W

HJT 9BB HALF-CUT BIFACIAL DOUBLE GLASS MODULE

ELECTRICAL PARAMETERS @ STC

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/m^2 , Cell Temperature 25℃, Air Mass 1.5
*Measurement Tolerance (±3.0%)

Inegrated Power @ STC (Reference 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%/ ℃
Temperature Coefficients of Voc	-0.22%/ ℃
Temperature Coefficients of Isc	+0.047%/ ℃

MECHANICAL PARAMETERS

Cell Type	HJT 166x83mm
Number of Cells	144pcs(6x24)
Dimensions (L*W*H)	2094x1038x30mm
Weight	27.5kg
Frame	Anodised Aluminum
Junction Box	IP68, 3 bypass diodes
Cable, Length	4.0mm^2 , 300mm

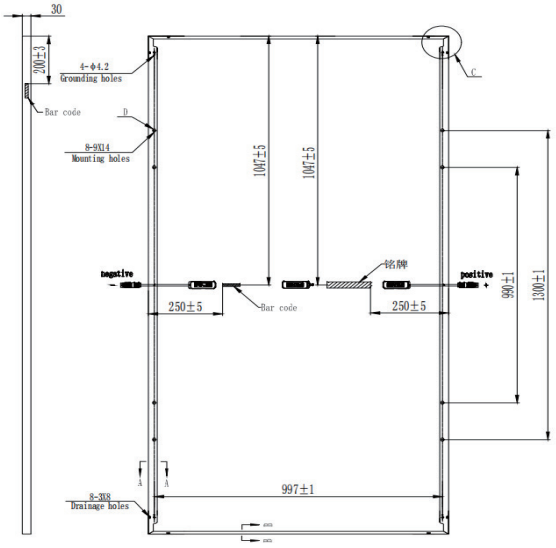
OPERATING CONDITION

Maximum System Voltage(V)	1500(DC)
Operating Temperature(℃)	-40~+85
Max. Wind Load / Snow Load(pa)	2400/5400
Max. Over Current(A)	25
Fire Rating	Class A
NOCT(℃)	45±2
Bifaciality	85±5%

PACKAGE INFORMATION

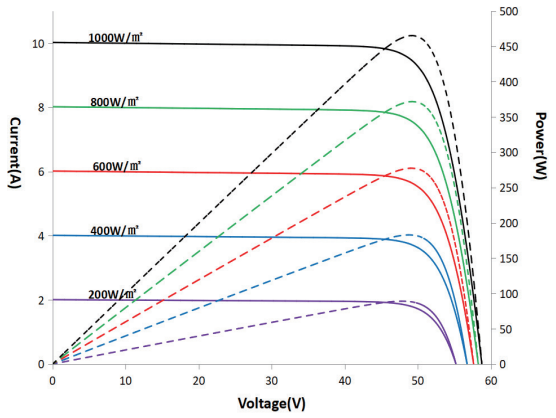
Container 40'HQ	814pcs
Quantity / Pallet	CTNR: 35, 35+4pcs

ASSEMBLY DRAWING (Unit:mm)

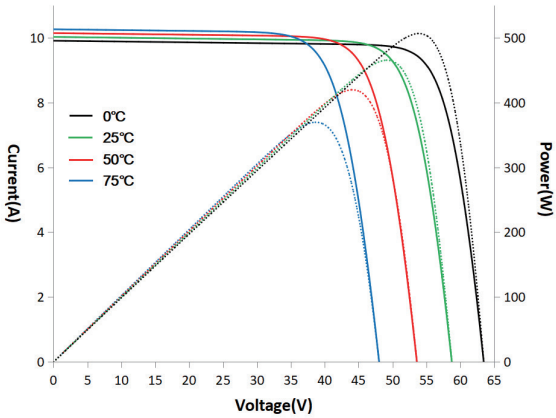


I-V CURVES

Test temperature 25℃



Irradiance：AM1.5, 1000W/m²



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