



CIPRO-TN9C72M(H)

640 - 670W

Single Glass

- Partial Shading Optimisation
- Better Temperature Coefficient
- High Temperature Restriction
- Micro-crack Resistance
- More Aesthetic Values

15 15-year Warranty for Materials and Processing

30 30-year Warranty for ExtraLinear Power Output

IEC 61215:2021 / IEC 61730:2023

ISO 9001: 2015 Quality Management System

ISO 14001: 2015 Environment Management System

ISO 45001: 2018 Occupational Health and Safety Management Systems



670W

Output

24.8%

Efficiency

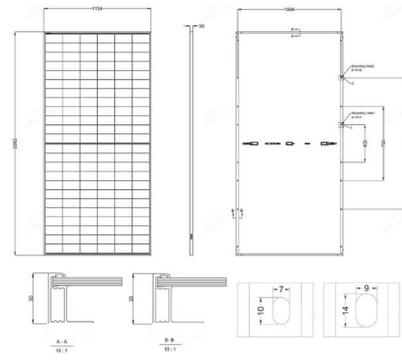
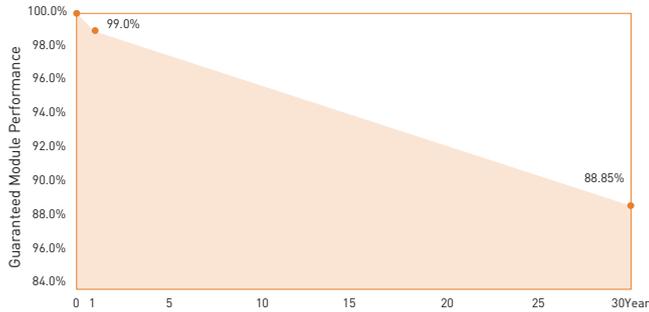
≤ 1%

First-year Degradation

≤ 0.35%

Annual Degradation from Year 2-30

30 - year Linear Performance Warranty



Tolerance
L: ±2mm
W: ±2mm
Unit: mm

Electrical Characteristics

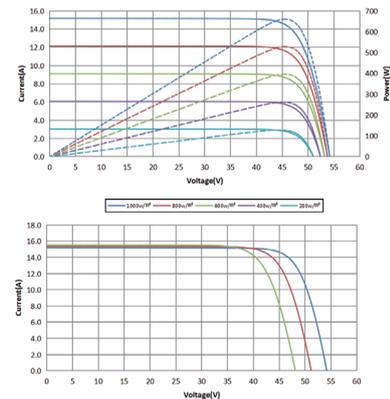
Test Conditions	STC	NOCT												
Pmax[W]	640	482	645	486	650	490	655	493	660	497	665	501	670	505
Voc[V]	54.20	51.18	54.30	51.28	54.40	51.37	54.50	51.47	54.60	51.56	54.70	51.66	54.80	51.75
Vmp[V]	44.90	42.40	45.00	42.50	45.10	42.59	45.20	42.69	45.30	42.78	45.40	42.87	45.50	42.97
Isc[A]	15.00	12.13	15.06	12.18	15.12	12.23	15.18	12.28	15.24	12.32	15.30	12.37	15.36	12.42
Imp[A]	14.26	11.38	14.34	11.44	14.42	11.51	14.50	11.57	14.57	11.63	14.65	11.69	14.73	11.76
Module Efficiency	23.7%		23.9%		24.1%		24.2%		24.4%		24.6%		24.8%	

STC: Irradiance 1000W/m², Spectra at AM1.5, Module Temperature 25 C. Power output tolerance: 0~+5W. Test uncertainty for Pmax: ±3%
NOCT: Irradiance 800W/M², Ambient Temperature 20 C, AM=1.5, Wind Speed 1M/S

Product Specification

Cell Type	BC (Back Contact Cell)
Glass	3.2 mm tempered glass
Frame	Anodized aluminum
Cable	TüV 1x4mm, (+)300mm, (-)200mm or Customized Length
No. of Cells	144 (6x24)
Junction Box	IP68, 3 bypass diodes
Connector	MC4 Compatible Staubli(PV-KST4-EV02/XY_UR,PV-KBT4-EV02/XY_UR; PV-KST4-EV02A/XY,PV-KBT4-EV02A/XY)
Weight	28.1kg (61.95lbs)
Dimension	2382x1134x30mm
Package Detail	36 pcs per pallet / 720 pcs per 40' HC

Electrical Performance



Installation Guide

Level T _{gg} < 70 °C	-40°C ~ +70°C [※]
Maximum Series Fuse Rating	25A
Protection Class	Class II
Voc and Isc Tolerance	±3%
Maximum System Voltage	DC1500V
Test Mechanical load*	Front side +5400Pa, Back side -2400Pa
Hail Test	25 mm diameter hail at 23 m/s
Fire Rating	IEC Class C

*Note: Test Mechanical Load = 1.5 (Safety factor) x Design load
[※]Short-term operation at 85°C is permitted;
 operation at higher temperatures requires compliance with IEC TS 63126 testing.

Temperature Ratings (STC)

Temperature Coefficient of Isc	+ 0.05%/ C
Temperature Coefficient of Voc	- 0.22%/ C
Temperature Coefficient of Pmx	- 0.26%/ C



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