

Monocrystalline 132 cells

JUPITER TOPCON



N-TYPE M12 210
multibusbar



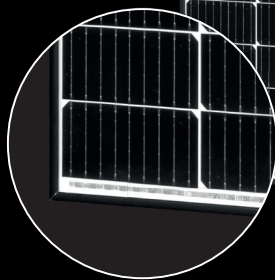
3.2 mm anti-reflective glass



Maximum stability through
aluminium soft grip frame



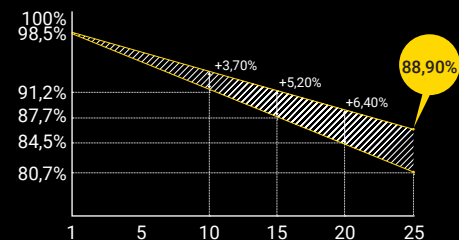
Maximum 2400 Pa snow load



BLACK | WHITE



15 years manufacturer's warranty
25 years linear performance guarantee



OUTPUT: 670 - 700 WATT

The JUPITER range with 132 monocrystalline TOPCON M12 half cells with multibusbar technology is the latest range of high-performance modules. Halfcut cells are split in two halves to improve the performance and they are arranged in two parallel strings for a better management of shading. Featuring a 35 mm black anodized aluminium frame, JUPITER series can combine visual attractiveness to conversion efficiency over 22 %.



power for a better world

STC	A-HCM670/132-TC/M12	A-HCM680/132-TC/M12	A-HCM700/132-TC/M12
Maximum Power (Pmax) (W)	670	680	700
Open Circuit Voltage (Voc) (V)	47.42	47.90	48.68
Short Circuit Current (Isc) (A)	17.72	17.80	17.97
Voltage at Maximum Power (Vmpp) (V)	39.52	39.92	40.72
Current at Maximum Power (Impp) (A)	16.96	17.04	17.20
Module Efficiency (%)	21.57	21.90	22.54

STC (Standard Testing Condition): Irradiance 1000 W/m², Cell Temperature 25 °C, Spectra at AM 1.5; Test uncertainty tolerance for Pmax, Voc and Isc: ±3 %

Electrical Parameters at NOCT	A-HCM670/132-TC/M12	A-HCM680/132-TC/M12	A-HCM700/132-TC/M12
Maximum Power (Pmax) (W)	508	516	531
Open Circuit Voltage (Voc) (V)	44.81	45.27	46.17
Short Circuit Current (Isc) (A)	14.12	14.18	14.32
Voltage at Maximum Power (Vmpp) (V)	37.18	37.55	38.31
Current at Maximum Power (Impp) (A)	13.65	13.71	13.84

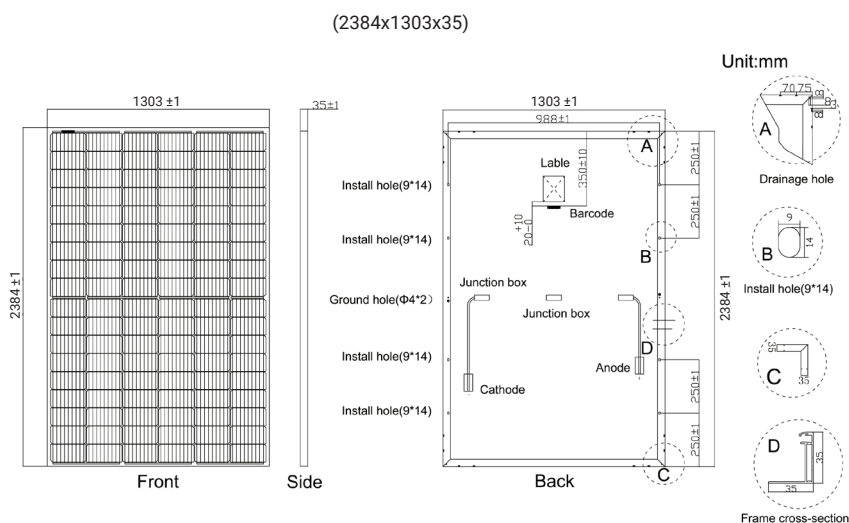
NOCT (Nominal Operating Cell Temperature): Irradiance 800 W/m², Ambient Temperature 20 °C, Spectra at AM 1.5, Wind at 1 m/s

Temperature Characteristics	
Pmax Temperature Coefficients (W / °C)	-0.24 % / °C
Voc Temperature Coefficients (V / °C)	-0.22 % / °C
Isc Temperature Coefficients (A / °C)	+0.047 % / °C
NMOT Nominal Operating Cell Temperature (°C)	45 ±2 °C

Operating Conditions	
Operating Module Temperature	-40 °C ~ +85 °C
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	30 A
Nominal Front Load	2400 Pa
Nominal Rear Load	1600 Pa
Class of Protection	II

Specifications	
Cell Type	Mono M12 210 N-Type – multibusbar
Weight	33.90 kg ±3 %
Dimensions	2384x1303x35 mm (±0.7 %)
Cable Cross Section Size	4 mm ² , cable approx 130 cm, QC4 compatible
No. of cells	132 (6x22)
Junction Box	IP67, 3 diodes
Frame	Black anodized aluminium
Front glass	3.2 mm high transmission, low iron, tempered glass

Packing Details	
Container Type	40'HC
No. of Pallets	18
Pieces per Pallet	31
Total quantity of modules	558



A-HCM680/132-TC/M12

