

Monocrystalline 72 cells

# URANUS



Guaranteed positive output selection 0 ~ +5 Wp by single measuring



3.2 mm anti-reflective glass



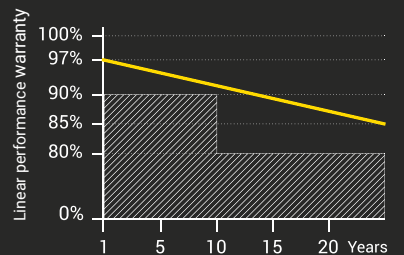
Maximum stability through aluminium soft grip frame



Maximum 5400 Pa snow load



15 years manufacturer's warranty  
25 years linear performance guarantee



BLACK | WHITE



SILVER | WHITE

## OUTPUT: 390 - 405 WATT

URANUS high efficiency monocrystalline 72 cell modules with PERC cells, grants high performance and conversion efficiency over 20 %. URANUS series features a 40 mm silver or black anodized aluminium frame, which combines high robustness and a 3.2 mm anti-reflective glass which is optimizing the panel performance to solar irradiance.



power for a better world

STC	A-M390/72	A-M400/72	A-M405/72
Maximum Power (Pmax) (W)	390	400	405
Open Circuit Voltage (Voc) (V)	49.61	50.29	50.97
Short Circuit Current (Isc) (A)	10.14	10.24	10.34
Voltage at Maximum Power (Vmpp) (V)	40.63	41.24	41.50
Current at Maximum Power (Impp) (A)	9.60	9.70	9.80
Module Efficiency (%)	19.65	20.16	20.41

STC (Standard Testing Condition): Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25 °C, Spectra at AM 1.5; Test uncertainty tolerance for Pmax, Voc and Isc: ±3 %

Electrical Parameters at NOCT	A-M390/72	A-M400/72	A-M405/72
Maximum Power (Pmax) (W)	289	297	305
Open Circuit Voltage (Voc) (V)	45.72	46.26	46.97
Short Circuit Current (Isc) (A)	8.17	8.29	8.41
Voltage at Maximum Power (Vmpp) (V)	37.48	37.93	38.36
Current at Maximum Power (Impp) (A)	7.71	7.83	7.95

NOCT (Nominal Operating Cell Temperature): Irradiance 800 W/m<sup>2</sup>, Ambient Temperature 20 °C, Spectra at AM 1.5, Wind at 1 m/s

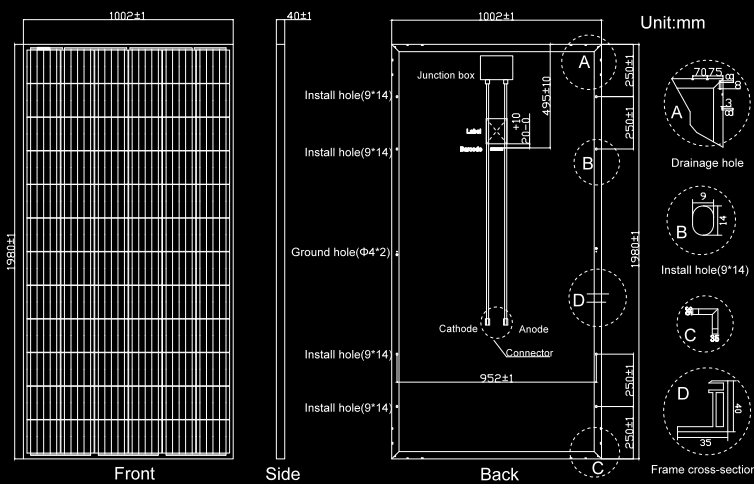
Temperature Characteristics	
Pmax Temperature Coefficients (W / °C)	-0.36 % / °C
Voc Temperature Coefficients (V / °C)	-0.29 % / °C
Isc Temperature Coefficients (A / °C)	+0.05 % / °C
NMOT Nominal Operating Cell Temperature (°C)	45 ±2 °C

Operating Conditions	
Operating Module Temperature	-40 °C ~ +85 °C
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	30 A
Selection	0 ~ +5 W
Nominal Front Load	5400 Pa
Nominal Rear Load	2400 Pa
Class of Protection	II

Specifications	
Cell Type	Mono G1 158.75
Weight	21.2 kg ±3 %
Dimensions	1980x1002x40 mm (±2 mm)
Cable Cross Section Size	4 mm <sup>2</sup> , cable approx 110 cm, QC4 compatible
No. of cells	72 (6x12)
Junction Box	IP67, 3 diodes
Frame	Silver anodized aluminium Black anodized aluminium
Front glass	3.2 mm high transmission, low iron, tempered glass

Packing Details	
Container Type	40'HC
No. of Pallets	22
Pieces per Pallet	27
Total quantity of modules	594

(1980x1002x40)



I-V Curve: (A-M400)

