



# Perc Full Mono 72 Cells 400 | 405 | 410 | 415 | 420

### ELECTRICAL DATA | STC\*

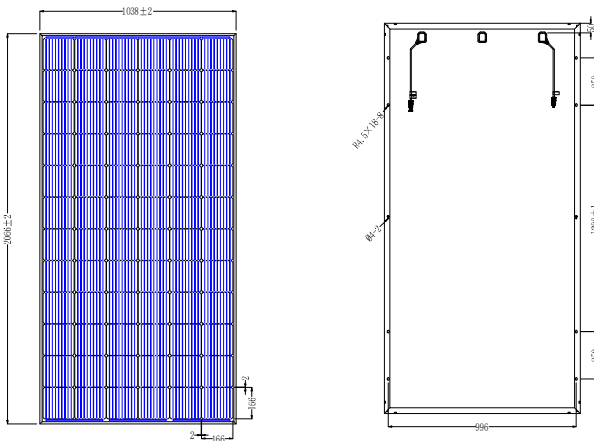
Nominal Max. Power (Pmax)	400W	405W	410W	415W	420W
Opt. Operating Voltage (Vmp)	42.24V	42.55V	42.71V	42.92V	43.08V
Opt. Operating Current (Imp)	9.47A	9.52A	9.60A	9.67A	9.75A
Open Circuit Voltage (Voc)	48.62V	48.69V	48.88V	48.95V	49.09V
Short Circuit Current (Isc)	9.93A	10.04A	10.09A	10.16A	10.23A
Module Efficiency	18.70%	18.90%	19.10%	19.30%	19.50%
Operating Temperature	-40°C ~ +85°C				
Max. System Voltage	1500V (IEC/UL) or 1000V (IEC/UL)				
Module Fire Performance	TYPE 1 (UL 1703) or CLASS C (IEC 61730)				
Max. Series Fuse Rating	20 A				
Application Classification	Class A				
Power Tolerance	0 ~ + 5 W				

\* Under Standard Test Conditions (STC) of irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C.

### MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline
Cell Arrangement	72 (12 X 6)
Dimensions	2066 X1038 X40 mm (83.0 X41.3 X1.57 in)
Weight	23.0 kg (50.70 lbs)
Front Cover	3.2 mm tempered glass
Frame	Anodized aluminium alloy, crossbar enhanced
J-Box	IP68, 3 bypass diodes
Cable	4 mm <sup>2</sup> (IEC), 12 AWG (UL)
Connector	MC4 Compatible
Static Loading	2400Pa(Wind)/5400Pa(Snow)
Per Pallet	27 pieces
Container (40' HQ)	648 pieces

### ENGINEERING DRAWING (mm)

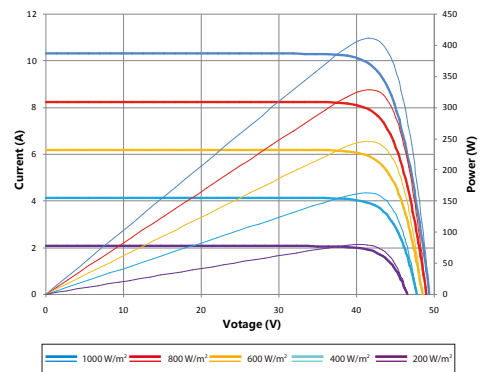


### TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.391%/°C
Temperature Coefficient (Voc)	-0.306%/°C
Temperature Coefficient (Isc)	0.045%/°C
Nominal Module Operating Temperature	42 ± 3°C

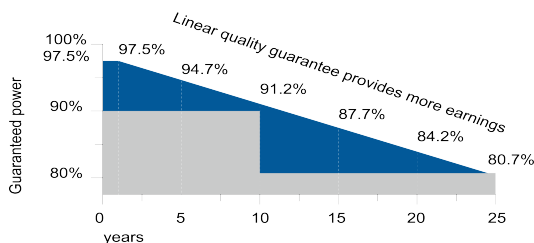
### I-V CURVES

Current-Voltage & Power-Voltage Curve (420)



### Premium Performance Warranty

#### Product Guarantee



\* The specifications and key features contained in this datasheet may deviate slightly from our actual products due to the on-going innovation and product enhancement. We reserves the right to make necessary adjustment to the information described herein at any time without further notice.

12 Years Materials and workmanship warranty

25 Years Linear power warranty

For any Inquiries, please direct to General Email: [Info@pogreen.com](mailto:Info@pogreen.com)

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