



POWER SOLID

SOLAR MODULE

PS390W#PVPI

72 CELLS - MONOCRYSTALLINE



ADVANCED PERC CELL TECHNOLOGY

Absorbing more light, High module efficiency
Low breakage rate, Annual power degradation 0.7%



FAST & SAFE

Easy installation and handling
Environmentally friendly



MODULE DURABILITY

5400 Pa snow load, 2400 Pa wind load
Ideal for PV rooftops, ground mount, floating



THE #1 DOMESTIC PV MANUFACTURER IN VIETNAM

100% Automatic production line
International quality PV technology



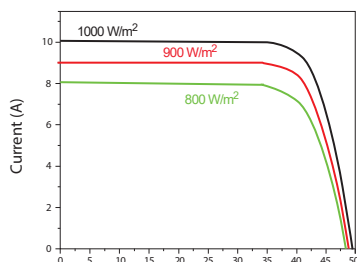
**YOUR SATISFACTION IS OUR PURPOSE
HIGH QUALITY FOR PROSPERITY**

Email: info@powersolid.vn | Website: www.powersolid.vn

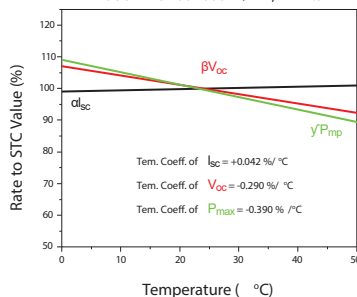


PERFORMANCE

Electrical Performance at 25 °C, AM 1.5



Temperature Dependence of I_{sc} , V_{oc} & P_{max} at 1000 W/m², AM 1.5



ELECTRICAL CHARACTERISTICS STC

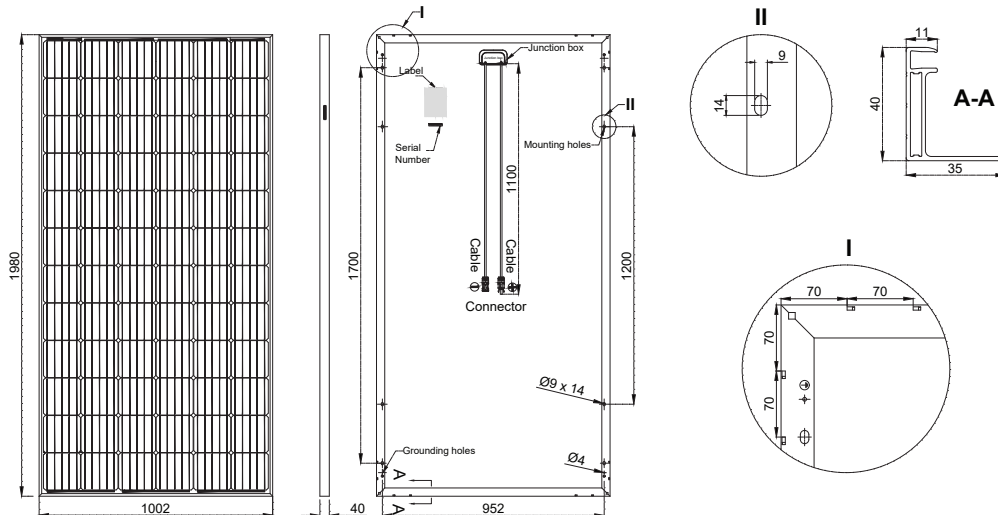
PS390W#PVPI

Maximum Power (P_{max})	390 W
Power Tolerance	0 ~ 3 %
Module Efficiency	19.66 %
Maximum Power Current (I_{mp})	9.37 A
Maximum Power Voltage (V_{mp})	41.62 V
Short Circuit Current (I_{sc})	9.91 A
Open Circuit Voltage (V_{oc})	48.82 V
Values at Standard Test Conditions	
(STC: AM 1.5 Spectrum, Irradiance of 1000 W/m ² , Cell Temperature 25°C)	

ELECTRICAL CHARACTERISTICS NMOT

PS390W#PVPI

Maximum Power (P_{max})	308.10 W
Maximum Power Current (I_{mp})	7.49 A
Maximum Power Voltage (V_{mp})	41.20 V
Short Circuit Current (I_{sc})	7.93 A
Open Circuit Voltage (V_{oc})	48.33 V
Values at Nominal Module Operating Temperature	
(NMOT: AM 1.5 Spectrum, Irradiance of 800 W/m ² , Ambient Temperature 20°C, Wind Speed 1 m/s)	



Drawing Only for Reference

MECHANICAL CHARACTERISTICS

Cell Type
 Front Cover
 Back Cover
 Frame
 Junction Box
 Dimension
 Output Cable
 Weight
 Connector

158.75 x 158.75 mm Monocrystalline, 72 (6 x 12) pcs in series
 3.2 mm High Transmission, Low Iron, Tempered Glass with Anti-Reflective Coating
 Composite film
 Anodized Aluminum Alloy type 6063 - T5 (Silver/ Black)
 3 bypass diodes, IP 68 rated in accordance with IEC 62790
 1980 x 1002 x 40 mm
 4 mm² (IEC)/ 12 AWG (UL), 1100 mm in accordance with IEC 62852
 23 kg (approx)
 MC4 Compatible

OPERATING CONDITIONS

Operating Temperature	-40 °C ~ +85 °C
Maximum System Voltage	1500 VDC
Maximum Series Fuse Rating	20 A
NMOT	45 °C ± 2°C
Application Class	Class A