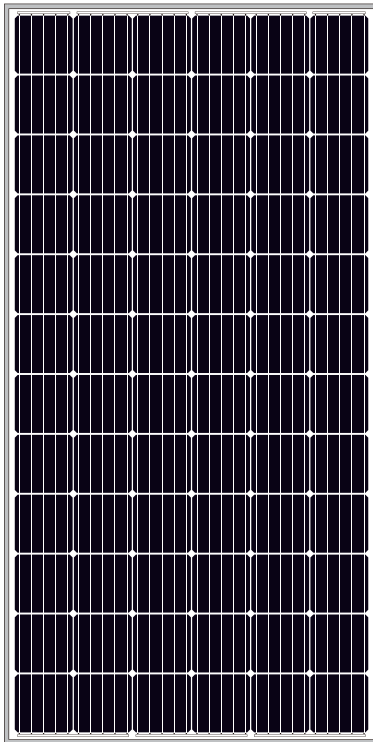


PVM Sun Mono 370-400

MONOCRYSTALLINE 72 cells 370W-400 W



Premium Quality Solar Module Data sheet



Key Features

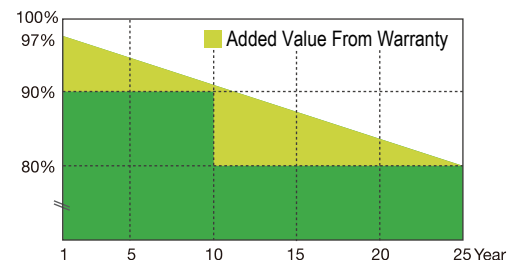
- Monocrystalline modules designed for commercial and solar farm grid-tied applications
- High power output and highest conversion efficiency
- Anti-reflective and anti-soiling surface reduces power loss from dirt and dust
- Outstanding performance in low-light irradiance environments
- Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)
- High salt and ammonia resistance certified by TÜV

Reliable Quality

- Positive power tolerance: 0 - +5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



MANAGEMENT SYSTEM CERTIFICATES

ISO 9001: 2008: Quality Management System
 ISO14001: 2004 : Standards for Environmental Management System
 OHSAS 18001: 2007: Occupational Health and Safety Management System

PRODUCT CERTIFICATES

IEC61215/IEC61730/IEC61701/IEC62716
 UL 1703



PVM-SOLAR PRODUCTION U.G

Address: FRANZ-JOSEPH STR 11, 80801 MUNICH

SOLAICO - UNION COMPOSITES S.L.
 Address: P. Ind. "Algars" - C/ Vall d'Albaida, 7 Cocentaina, 03820 Alicante (España)

www.europe-solarproduction.com



PVM Sun Mono 370-400

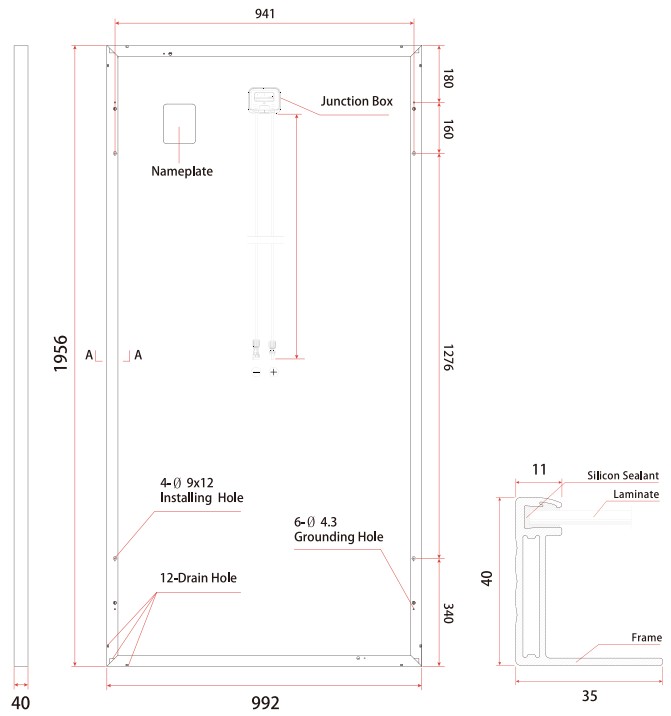
Mechanical Parameters

Cell (mm)	Mono 156.75 x 156.75
Weight (kg)	21.5(approx)
Glass Thickness	4/3.2mm
Dimensions (L×W×H) (mm)	1956×992×35/40
Cable Cross Section Size (mm ²)	3.2
No. of Cells and Connections	72 (6×12)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	26 Per Pallet

Working Conditions

Maximum System Voltage	DC 1000V	(IEC)
Operating Temperature	-40°C~+85°C	
Maximum Series Fuse	20A	
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft ²)	
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft ²)	
NOCT	45±2°C	
Application Class	Class A	

Engineering Drawings



Electrical Parameters

	PVM370M-72	PVM380M-72	PVM390M-72	PVM400M-72
Peak Power Watts-P (Wp)*	370	380	390	400
Maximum Power Voltage-V (V)	39.51	39.95	40.39	40.78
Maximum Power Current-I (A)	9.37	9.52	9.67	9.82
Open Circuit Voltage-V (V)	48.23	48.67	49.11	49.55
Short Circuit Current-I (A)	10.03	10.22	10.41	10.59
Module Efficiency η (%)	19.06	19.58	20.09	20.61
Power Tolerance (W)			-0~+5W	
Temperature Coefficient of Isc (αIsc)			+0.059%/°C	
Temperature Coefficient of Voc (βVoc)			-0.330%/°C	
Temperature Coefficient of Pmax (γPmp)			-0.410%/°C	
STC	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5			

I-V Curve

