

Mono-Silicon Solar Module

EP156MB72 280-300W



ALL BLACK MONO-SILICON MODULES FOR LARGE SOLAR PROJECTS



Product Features



Sleek, Black Design

All Black Mono Design for High-End Roof-Tops



Positive Power Tolerance

Delivers Up to +3% More Power Than Rating



Bankable on Solar Projects

Eoply Projects Financed by US Banks



25 Year Power Insurance

Power and Product Warranty Backed-by Zurich Insurance



Outstanding Low Light Performance

Over 95% Power under Weak Light (Cloudy, Morning, Evening)



Withstands High Wind and Snow Loads

Designed for 2400Pa Wind / 5400Pa Snow Loads

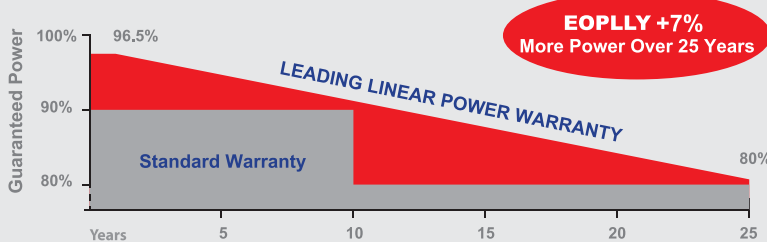


Rigorous Quality Control Standards

TUV Certified ISO 9001, ISO 14001

EOPLLY NEW ENERGY TECHNOLOGY CO., LTD

Founded in 2006, Eoply has been providing high-quality solar modules and systems with over 700MW delivered worldwide. Eoply has invested in highly automated production lines to manufacture its solar modules to strictest ISO quality standards certified by TUV. We have regional offices and warehouses throughout the United States to provide 24 hour response for sales inquires and technical support.



Eoply's Linear Power Warranty guarantees 97.5% at Year 1 and 80.7% at Year 25 with no greater than 0.7% per year loss. EOPLLY guarantees more electricity production over 25 years than standard warranties. Our 10 year materials and workmanship warranty is a guaranty of quality and long lifetime.

High-Quality Module Design

Eoply modules are built for durability and long lifetime using a screw-less frame design and multiple drainage slots. Modules can be mounted in both vertical (portrait) and horizontal (landscape) configurations.



Certifications and Standards



EP156MB72 280-300W

ELECTRICAL DATA @STC	156MB72-280W	156MB72-285W	156MB72-290W	156MB72-295W	156MB72-300W
Rated Maximum Power (W)	280	285	290	295	300
Power Output Tolerance-Pmax (%)	0/+3	0/+3	0/+3	0/+3	0/+3
Maximum Power Voltage (V)	35.83	36.12	36.41	36.71	37.01
Maximum Power Current (A)	7.838	7.918	7.999	8.080	8.150
Open Circuit Voltage (V)	43.43	43.78	44.14	44.50	44.86
Short Circuit Current (A)	8.650	8.721	8.790	8.849	8.880
Module Efficiency	14.38%	14.64%	14.89%	15.15%	15.41%

Standard Test Conditions (STC): Air Mass 1.5, Irradiance 1000W/m², Cell Temperature 25 C

ELECTRICAL DATA @NOCT	156MB72-280W	156MB72-285W	156MB72-290W	156MB72-295W	156MB72-300W
Maximum Power (W)	202.4	206.1	209.9	213.8	217.4
Maximum Power Voltage (V)	32.07	32.33	32.59	32.86	33.12
Maximum Power Current (A)	6.312	6.376	6.441	6.507	6.563
Open Circuit Voltage (V)	39.22	39.53	39.85	40.17	40.50
Short Circuit Current (A)	7.027	7.084	7.140	7.188	7.213

Nominal Operating Cell Temperature (NOCT): Irradiance 800W/m², Ambient Temperature 20 C, Wind Speed 1 m/s.

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	43±3 C
Short-Circuit Current Coefficient (%/C)	0.07
Open-circuit Voltage Coefficient (%/C)	-0.4
Peak Power Coefficient (%/C)	-0.45

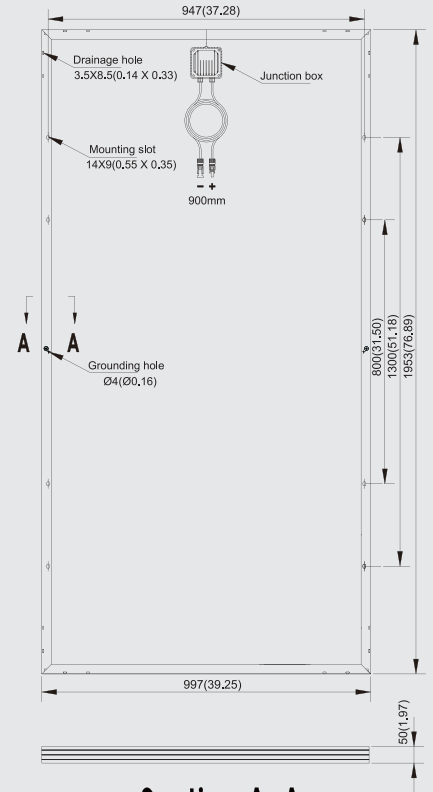
MAXIMUM RATINGS

Operational Temperature	-40~+85 C
Maximum System Voltage	1000V DC(IEC) 600V DC(UL)
Max Series Fuse Rating	15A

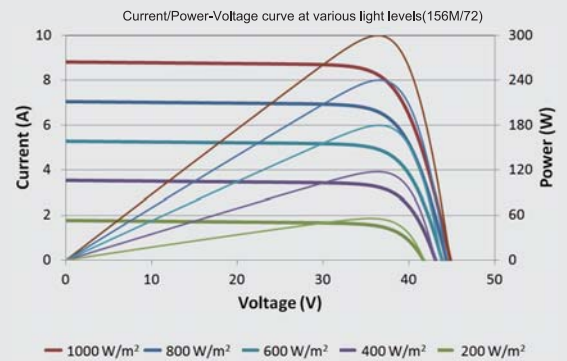
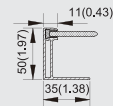
MECHANICAL DATA

Solar Cells	Monocrystalline Silicon Solar Cell 156x156mm (6 in.)
Cell Orientation	72 (6x12)
Module Dimension	1953x997x50mm (76.89x39.25x1.97 in.)
Weight	26 kg (69.6 lb)
Glass	3.2mm (0.13 in.) Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65
Cables/Connector	MC4 Compatible

Note:mm(inch)



Section A-A



Low Light Conditions: <200W/m² No greater than 4.5% efficiency loss

