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**MONOCRYSTALLINE SOLAR MODULE**

**PLM-360M-72 SERIES**  
**PLM-360MB-72 SERIES**

**PERLIGHT SOLAR**

Founded in 2006, Perlight Solar is growing to be the world leading residential smart solar PV products manufacturer & service provider.

Based on more than 30 years manufacturing experience of Baolite Group, along with the implementation of MES & ERP system, Perlight Solar have realized lean and flexible manu-

facturing of solar cell & solar module.

With corporate values "Customer First, Talent Excellence, Pragmatic Innovation, Integrity & Win-Win", Perlight Solar will continue to provide excellent smart energy products & service to global families and vision to be the leading brand in global distributed smart energy.



**19.58%**  
Maximum Module Efficiency



**12 Years**  
Limited Product Warranty



**25 Years**  
Performance Warranty



**Performance**

Good performance even under low light conditions



**Reliability**

Strict selection of raw materials and strict quality control ensure reliability



**Smart**

Optional smart-ready design. Easy upgrade into smart solar module solution

**PERLIGHTSOLAR**

# MONOCRYSTALLINE 72-CELL SERIES

## ELECTRICAL PERFORMANCE

Module type	PLM-360M-72 / PLM-360MB-72 series											
Power output	$P_{max}$	$W_p$	340	345	350	355	360	365	370	375	380	
Power output tolerances	$\Delta P_{max}$	$W$	0~+5									
Voltage at Pmax	$V_{mpp}$	$V$	38.77	38.86	39.11	39.2	39.39	39.59	39.79	39.98	40.13	
Current at Pmax	$I_{mpp}$	$A$	8.77	8.88	8.95	9.06	9.14	9.22	9.30	9.38	9.47	
Open-circuit voltage	$V_{oc}$	$V$	46.91	47.02	47.32	47.43	47.66	47.90	48.15	48.22	48.31	
Short-circuit current	$I_{sc}$	$A$	9.45	9.51	9.58	9.64	9.70	9.75	9.81	9.89	9.97	
Module Efficiency	Eff.	%	17.52	17.78	18.03	18.29	18.55	18.81	19.06	19.32	19.58	

STC: 1000W/m<sup>2</sup> irradiance, 25°C cell temperature, AM 1.5g spectrum according to EN 60904-3.  
Power measurement uncertainty is within +/- 3%

## THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	°C	45±2
Temperature coefficient of Pmax	$\nu$	%/°C	-0.40
Temperature coefficient of Voc	$\beta_{Voc}$	%/°C	-0.30
Temperature coefficient of Isc	$\alpha_{Isc}$	%/°C	0.06

## OPERATING CONDITIONS

Max. system voltage	1000V <sub>oc</sub>
Limiting reverse current	15A
Operating temperature range	-40°C to 85°C
Max. static load front (e.g., snow)	5400Pa
Max. static load back (e.g., wind)	2400Pa

## MECHANICAL CHARACTERISTICS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Backsheet (color)	white / black
Cell (quantity / material / dimensions)	72 / monocrystalline silicon / 156.75×156.75mm
Frame (material / color)	anodized aluminum alloy / silver
Junction box (protection degree)	≥ IP67
Cables & Plug connectors	900mm / 4mm <sup>2</sup> & MC4 compatible / IP67
Module Dimensions (L / W / H)	1956mm x 992mm x 40mm
Module Weight	21.6kg

## PACKING DETAILS

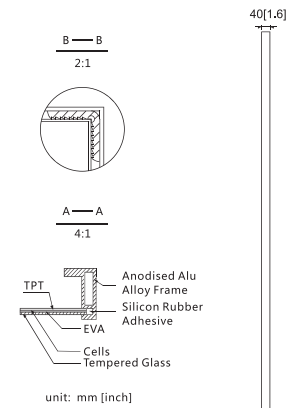
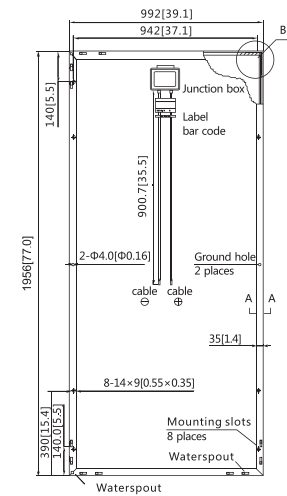
Container	20'GP	40'HQ
Pieces per pallet	54	60
Pallets per container	5	11
Pieces per container	270	660

Perlight Partners



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## Module Diagram:



## Electrical Curves:

