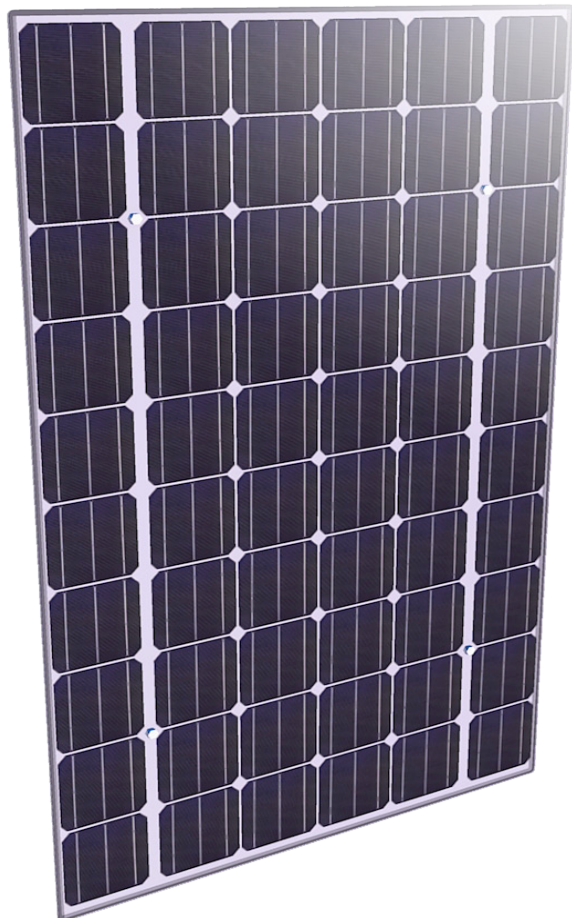




PERLIGHT SOLAR
Powering Possibilities

PLM Frameless M-60 USA Series

High-efficiency photovoltaic modules
with monocrystalline solar cells



High-efficiency monocrystalline solar cells. Produces high maximum power output even under low light conditions

Extra-thick low iron tempered glass. High strength 6.35 mm thick glass increases toughness and power output of the module

High quality EVA and TPT for enhanced durability and weatherproofing

25 year limited warranty: 10 years materials & workmanship; 12 years 90% max power; and 25 years 80% max power

IP 65 rated junction box with MC 4 connectors

IEC 61215 qualified for extended 2400 Pa wind loads, 5400 Pa snow loads as well as hailstone impacts

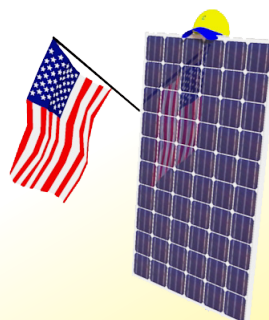
Tight power tolerance modules with +/- 3%

Unique frameless design. Looks great and mounts easily using standard nut, bolt and washer setup

Certifications pending include UL 1703, CEC for California and IEC 61215 & IEC 61730

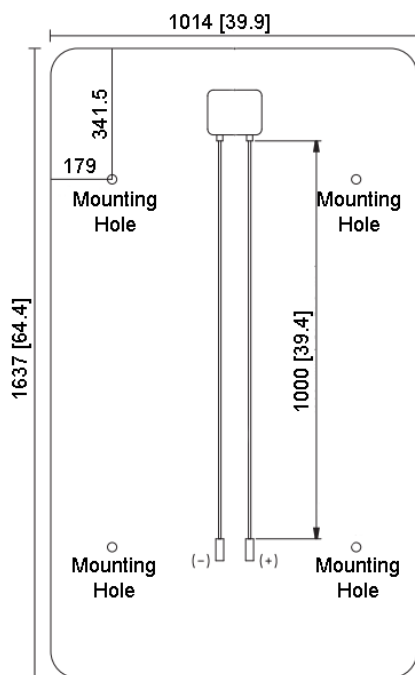


Variety of colors
Backsheeting available in
black, white and clear.
The perfect match
for your job



Solar Modules
Proudly Made in America

Module Diagram



PERLIGHT

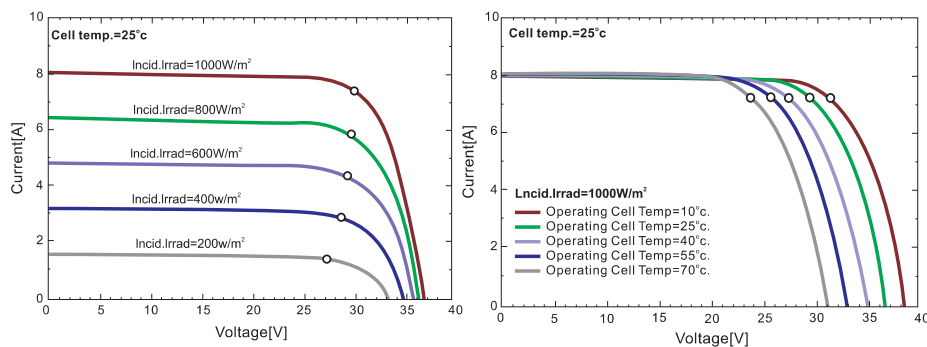
Mechanical Characteristics

| | |
|------------------|----------------|
| Cell Size (in) | 6 x 6 |
| Module Size (in) | 64.4 x 39.9 |
| # of cells | 60 (6x10) |
| Weight | 58 lbs : 26 kg |

Temperature Coefficients

| | |
|-----------------|------------------|
| Temp Range | -40° C to +90° C |
| NOCT | 50 ± 2° C |
| Isc | +0.09%/°C |
| Voc | -0.37%/°C |
| Pm | -0.48%/°C |
| Power Tolerance | +/- 3% |

IV Curves



Electrical Characteristics

| Model | PLM-250FM-60US1 | PLM-260FM-60US1 |
|-------------------|-----------------|-----------------|
| Pm | 250 | 260 |
| Vmp | 30.7 | 31.5 |
| Imp | 8.15 | 8.25 |
| Voc | 37.3 | 37.5 |
| Isc | 8.66 | 8.74 |
| Module Efficiency | 15.1% | 15.7% |

*outputs given at STC 1,000 W/m² 25°C AM 1.5
Max system voltage: 600V (UL) 1000V (CE)

PERLIGHT SOLAR

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This publication summarizes product warranty and specifications, which are subject to change without notice. Additional information is found on our website.