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

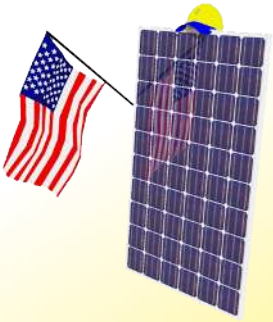
IEC 61215 qualified for extended 2400 Pa wind loads, 5400 Pa snow loads as well as hailstone impacts

Tight power tolerance modules with +/- 3%

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

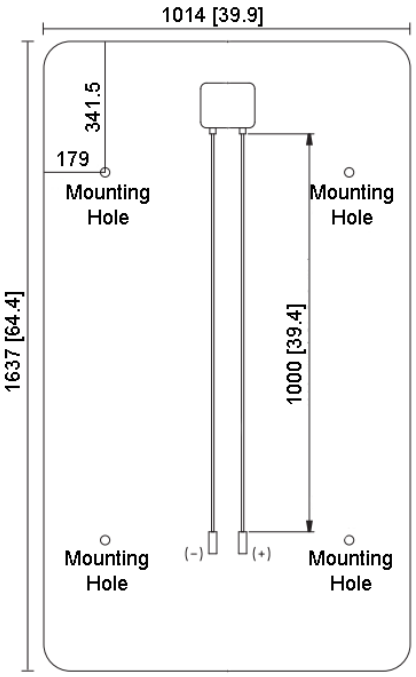
Certifications pending include UL 1703, CEC for California and IEC 61215 & IEC 61730

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



Solar Modules
Proudly Made in America

Module Diagram



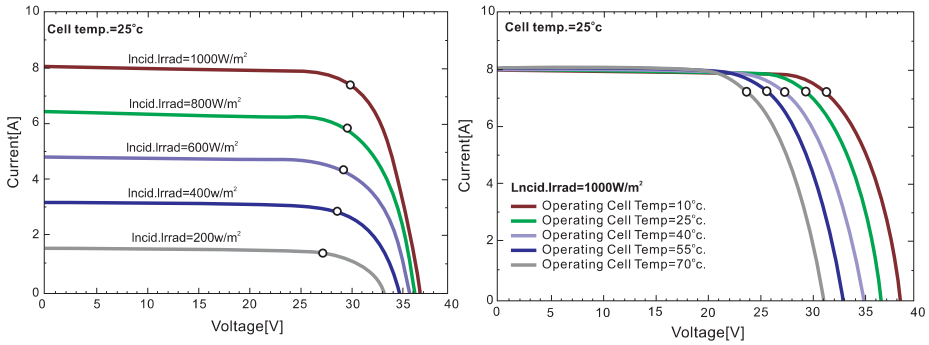
Mechanical Characteristics

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.