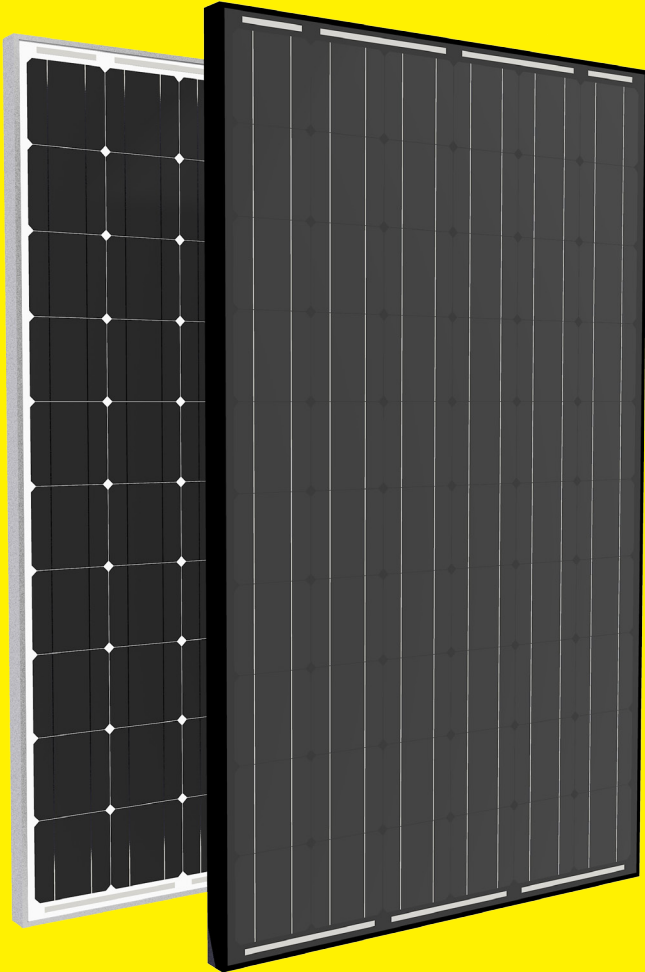




PERLIGHT



Available with black frames & black backsheeting as well as silver frames & white backsheeting

# PERLIGHT SOLAR

## PLM M-60 Series

High-efficiency photovoltaic modules made with silicon nitride coated monocrystalline solar cells

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

**Advanced low iron tempered glass.** Anti-reflection coatings and high transmission rate increase 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

**Positive tolerance** modules with +5 W

**High strength aluminum frame.** Withstands heavy loads and allows for easy installation

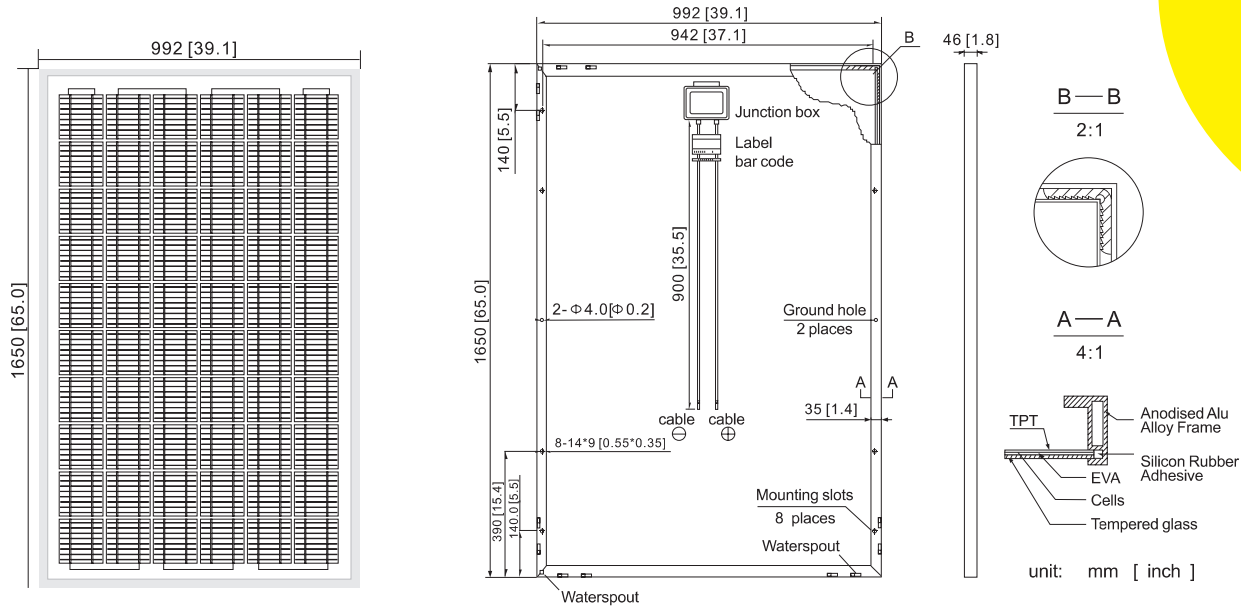
**Certifications** include ISO 9001 & 14001, UL 1703, CEC for California, FSEC for Florida, TUV, CE, VDE, MCS and IEC 61215 & IEC 61730



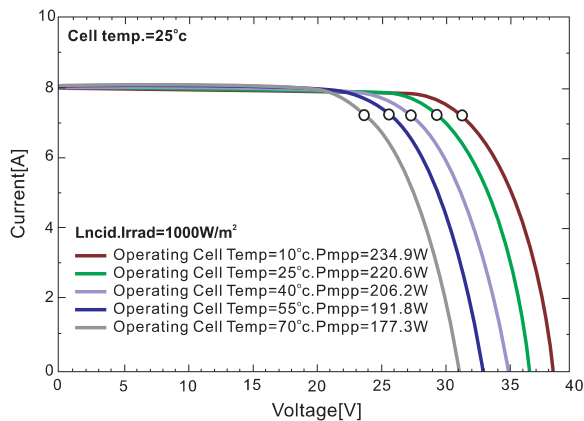
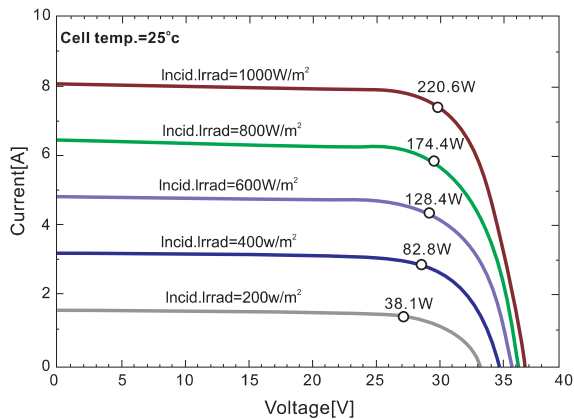
Buy American modules also available for ARRA funded projects.



## Module Diagram



## IV Curves



## Mechanical Characteristics

Cell Size (in)	6 x 6
Module Size (in)	65.0 x 39.1 x 1.8
# of cells	60 (6x10)
Weight	46 lbs : 21 kg
# of mounting holes	8
# of waterspouts	16

## Temperature Coefficients

NOCT	47 ± 2°C
Isc	+0.03%/°C
Voc	-0.31%/°C
Pm	-0.459%/°C
Power Tolerance	+5 W

## Electrical Characteristics

Model	PLM-235M-60	PLM-240M-60	PLM-245M-60	PLM-250M-60
Pm	235	240	245	250
Vmp	30.5	30.7	31.0	31.1
Imp	7.69	7.81	7.90	8.03
Voc	36.8	36.9	37.0	37.1
Isc	8.58	8.73	8.82	8.97
Max sys voltage	1000v	1000V	1000V	1000V
Module Efficiency	14.4%	14.7%	15.0%	15.3%
PTC Rating	212.9	217.5	222.1	

\*outputs given at STC 1,000 W/m<sup>2</sup>  
25°C AM 1.5

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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.