



**DAY4 ENERGY**

# 60MC-1

**Photovoltaic Modules**

WITH

**GUARDIAN™ TECHNOLOGY**

**INTELLIGENT SHADE PROTECTION  
FOR THE REAL WORLD**

***Real world conditions  
are never perfect.  
60MC-1's performance is.***

- 3 times less sensitive to the effects of debris

***Less cost + more power  
= higher return***

- Up to 60% less mounting materials required
- Up to 25% higher annual energy yield from the project area
- Significant increase in annual energy yields for 1-axis horizontal tracker applications due to longer harvesting hours
- Able to install on previously unsuitable sites

***All the advantages of the  
Day4 Electrode***

- Industry leading power collection technology
- Optimum power in low light conditions
- Sophisticated appearance

***Uncompromised  
quality and attention to detail***

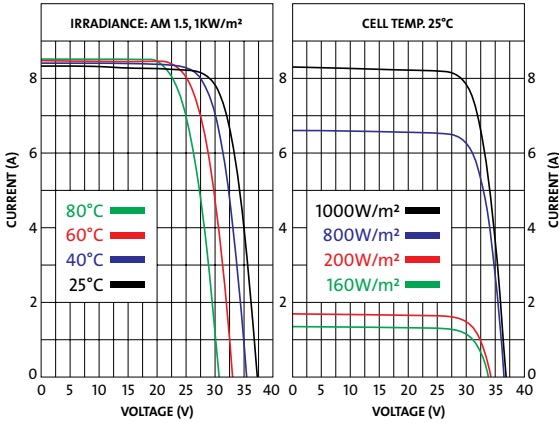
- Designed in Canada and manufactured to exacting standards
- Rigorous testing providing worry-free use in some of the harshest climates
- 25 Year Power Warranty, 5 Year Product Warranty
- UL & IEC certification in progress
- Featuring a stronger, more robust frame
- Up to 250W on 15% efficiency
- Multicrystalline silicon cells

[www.day4energy.com](http://www.day4energy.com)

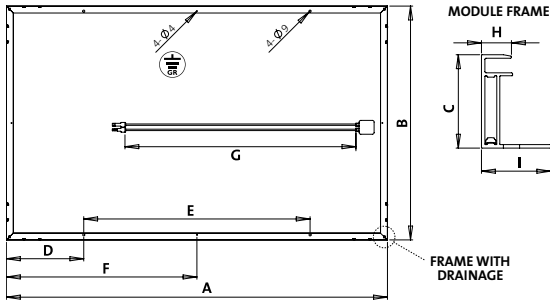


All certifications pending.

**Day4 60MC-I 235W**



**Module Diagram**

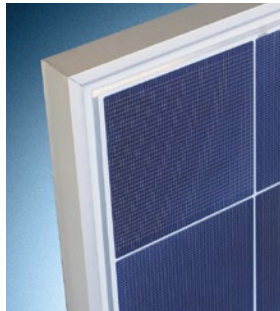


4- $\phi$ 4 denotes 4 holes (grounding holes) centered on each edge with a diameter of 4mm (Grounding Hole (UL only))

4- $\phi$ 9 denotes 4 holes (mounting holes) with a diameter of 9mm

**NOTE:** All dimensions are accurate within  $\pm 1.5$ mm tolerance unless otherwise stated. Product dimensions in imperial inches (conversion of 1mm equals 0.03937in, 1kg equals 2.2lbs) are provided for information purposes only.

**Anodized Aluminum Frame**



- Strong, robust 40mm frame
- Water drainage holes to reduce frame breakage due to freezing temperatures
- Multiple grounding holes for ease of installation
- Beveled top profile to reduce dirt and water trapping
- Deep glass frame slot for increased strength and durability

Short Circuit Current Temp. Coefficient (235W)	2.67mA/K
Open Circuit Voltage Temp. Coefficient (235W)	-0.10V/K
Max. Power Temp. Coefficient (235W)	-0.44%/K
Module Sorting Tolerance	-0.0%/+3.5% of Pmax in increments of +5Wp
Module Maximum Fuse Series Amps	15A
Reduction of Efficiency (from 1000W/m <sup>2</sup> to 200W/m <sup>2</sup> )	<4%
Normal Operating Cell Temperature (NOCT)	46.9°C
Maximum System Voltage	UL: 600V, IEC: 1000V

**Qualification Test Parameters**

Temperature Cycling Range	-40°C to +90°C (-40°F to 194°F)
Humidity Freeze	85% rH, -40°C to +85°C (-40°F to 185°F)
Static Load Front And Back	UL: 1436pa (30lbs/ft <sup>2</sup> ), IEC: 2400N/m <sup>2</sup>
Front Loading (eg. Snow)	UL: 1436pa (30lbs/ft <sup>2</sup> ), IEC: 5400N/m <sup>2</sup>
Fire Class	C
Protection Classification	IP 65

**Physical Specifications**

	Metric (mm)	Imperial (in)
A	1650	64.96
B	1013	39.882
C	40.4	1.591
D	335	13.189
E	980	38.583
F	825	32.48
G	1000 ( $\pm 10$ )	39.37 ( $\pm 0.393$ )
H	13	0.512
I	30	1.181
Weight	22.5 kg	49.6 lbs

**Mechanical Specifications**

Cells	60 cells, multicrystalline silicon, 156mm square (6+ inches)
Glass	Solar glass (tempered)
Junction Box	Yukita junction box, output cables, male and female locking cable couplers, other connectors upon request (subject to certification)
Back Sheet	Multi-layer water resistant film compound

**Typical Electrical Performance at STC (1000W/m<sup>2</sup>, AM 1.5 Spectrum, cell temperature 25°C)**

Peak Power (Wp)	Watts	205	210	215	220	225
Max. Power Voltage (Vmp)	Volts	28.39	28.69	29.08	29.36	29.56
Max. Power Current (Imp)	Amps	7.22	7.33	7.42	7.52	7.62
Open Circuit Voltage (Voc)	Volts	35.74	36.02	36.25	36.46	36.65
Short Circuit Current (Isc)	Amps	7.78	7.84	7.95	8.05	8.15
Peak Power (Wp)	Watts	230	235	240	245*	250*
Max. Power Voltage (Vmp)	Volts	29.78	30.18	30.22	30.40	30.58
Max. Power Current (Imp)	Amps	7.74	7.80	7.96	8.06	8.18
Open Circuit Voltage (Voc)	Volts	36.89	37.21	37.30	37.42	37.55
Short Circuit Current (Isc)	Amps	8.20	8.30	8.35	8.40	8.45

\* Please check power class availability with your local sales representative as large volumes must be confirmed prior to ordering.