

OP050-M OP055-M

OMNIS photovoltaic Modules are constructed with high efficient solar cells and produce higher output per module than others in it class. This industrial grade module is an industry standard among various industry professionals.



Monocrystalline



Optional terminal

1 Features

- ⦿ (EVA) with TPT cushions the solar cells within the laminate and ensures the operating characteristics of the solar cells under virtually any climatic condition
- ⦿ Rigid anodized aluminum frame and low iron tempered glass
- ⦿ Easily accessible grounding points on all four corners for fast installation
- Proven junction box technology

2 Reliability

- ⦿ Proven superior field performance
- ⦿ Tight power tolerance

3 Warranty

- ⦿ 25-year limited warranty of 80% power output;
- ⦿ 10-year limited warranty of 90% power output;
- ⦿ 5-year limited warranty of materials and workmanship

4 Applications

- ⦿ Traffic & Safety
- ⦿ Federal Government
- ⦿ Agricultural
- ⦿ Security
- ⦿ Telecommunications
- ⦿ Water and Wastewater
- ⦿ Weather & Environmental Monitoring
- ⦿ RV Camper
- ⦿ Emergency Power
- ⦿ Telemetry
- ⦿ SCADA, RTU, GPS
- ⦿ Marine
- ⦿ Area Lighting & Sign
- ⦿ Wi-Fi & Wi=Max
- ⦿ Fence & Gate

Electrical Specifications

MODEL	OP050-M	OP055-M
System Voltage	12V	
Size	700mm*510mm*30mm (27.56"*20.07"*1.18')	
Voc	22.4V	22.6V
Imp	2.84A	3.13A
Vmp	17.4V	17.6V
Isc	3.04A	3.31A
Tolerance	0-3%	
Weight	4.50kg (9.92Lbs)	
J-box	IP67	
Cable	2.5mm ² PV cable,L=600mm(23.6')	
Connector	None/MC4/Crocodile clips	

Packaging Specifications

Modules per pallet:	232 pcs
palltes per 20' container:	1740pcs
Pallets per 40' container	3596 pcs
Pallet dimensions	1500*1140*125mm(59.05"*44.88"*4.92')
Weight	20" 8940kgs(19709.32lb) 40" 18460kgs(40697.33lb)
Packing	2pcs/carton

Operating Conditions and Certifications

Operating Temperature	-40 C to +85 C
Impact Resistance	Diameter of 28mm with impact speed of 86km/h
Certifications	IEC6125/61730, CE, ISO9001,SGS

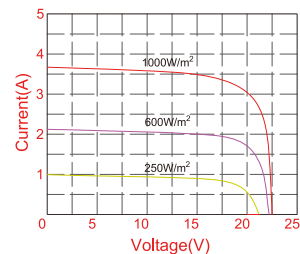


System Design

Series Fuse Rating	8A
Maximum DC System Voltage (UL)	600V
Hailstone Impact	1in (25mm) @ 51mph (23m/s)

Subject to simulator measurement uncertainty of +/- 3%.

Electrical Performance



Front view & Profile diagram

