

OP150-M

OP140-M OP145-M
OP155-M OP160-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



Or crocodile clips



IEC 61215
IEC 61730
Periodical Inspection



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	OP140-M	OP145-M	OP150-M	OP155-M	OP160-M
System Voltage	12V				
Size	1470mm*670mm*30mm (57.87*26.38*1.38')				
Voc	22.2V	22.3V	22.4V	22.5V	22.6V
Imp	8.14A	8.34A	8.63A	8.81A	9.04A
Vmp	17.2V	17.4V	17.5V	17.6V	17.8V
Isc	8.60A	8.82A	9.05A	9.28A	9.52A
Tolerance	0~3%				
Weight	11.00kgs (24.25Lbs)				
J-box	IP65/IP67				
Cable	2.5mm ² PV cable,L=900mm(35.43')				
Connector	None/MC4/Crocodile clips				

Packaging Specifications

Modules per pallet:	58 pcs	50 pcs
pallets per 20' container:	580 pcs	500 pcs
Pallets per 40' container	1276 pcs	1100 pcs
Pallet dimensions	1530*730*125mm(60.24*28.74*4.92')	
Weight	20" 6970kgs(15366.22lb)	40" 15334kgs(33805.68lb)
Packing	2pcs/carton	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

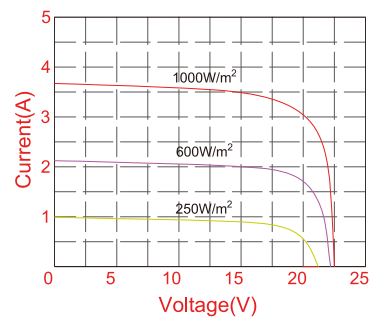


System Design

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

