

# OP080-P

## OP085-P OP090-P

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.



Polycrystalline



Or crocodile clips

### 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	OP080-P	OP085-P	OP090-P
System Voltage	12V		
Size	870mm*670mm*30mm (36.22*26.38*1.18')		
Voc	22.4V	22.4V	22.6V
Imp	4.60A	4.89A	5.12A
Vmp	17.4V	17.4V	17.6V
Isc	4.91A	5.22A	5.48A
Tolerance	0~3%		
Weight	6.5kgs		
J-box	IP65/IP67		
Cable	2.5mm <sup>2</sup> PV cable, L=600mm(23.6')		
Connector	None/MC4/Crocodile clips		

## Packaging Specifications

Modules per pallet:	58 pcs
palltes per 20' container:	986 pcs
Pallets per 40' container	2088 pcs
Pallet dimensions	980*730*125mm(38.58*28.74*4.92')
Weight	20' 6790.4kgs(14970.27lb) 40' 14443.2kgs(31841.81lb)
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

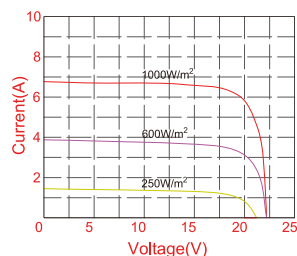


## System Design

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

