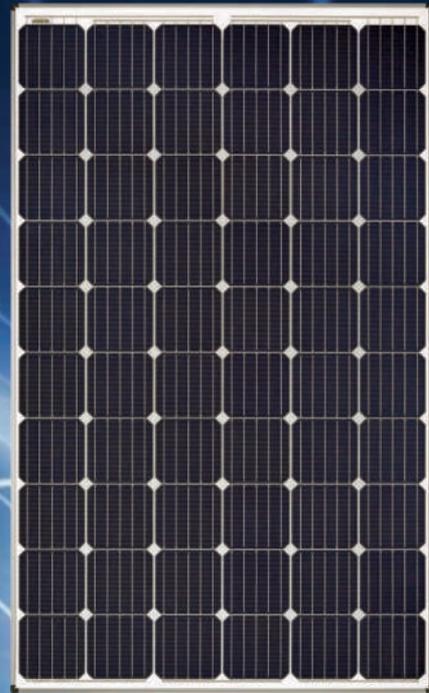


## SOLAR PV MODULE

Monocrystalline Dual Glass Module  
(Range 50Wp-410Wp)

**HIGHLY**  
RELIABLE &  
**EFFICIENT**



Elson solar panels are manufactured under controlled conditions with rigorous tests to ensure performance and rated performance over rated life. We use high efficiency polycrystalline silicon cells and the latest in bonding techniques to interconnect cells followed by vacuum sealing and affixing to frames resulting in compact construction, space savings with corresponding higher output of power.

# SOLAR PV MODULE

Monocrystalline Dual Glass Module  
(Range 50Wp-410Wp)



## Salient Features

- High efficiency monocrystalline silicon solar cells connected in series.
- Lamination using TEDLAR, crane glass and EVA provides environmental protection.
- Solar cells laminated between UV resistant polymer (EVA) and high transmission toughened glass surface.
- Rugged weather-proof nylon terminal box for output connections.
- Anodized aluminum frame provides structural support for mounting and shock resistance.
- Manufactured to stringent quality standards and tested to withstand adverse environmental conditions.

## Applications

- Domestic lighting systems • Street Lighting • Water pumping • Battery charging • Community TV system • Microwave repeater station
- Railway signaling and lighting systems • Rural radio phones and exchanges • Offshore platforms • Desalination Plants • Cathodic protection systems • Portable lantern • Power pack for village electrification • Crop sprayer • Sign boards & glow signs

## Technical Specification of Solar Panels

Module Type	12X100	12X165	12X175	24X265	24X330	24X335	24X340
Peak Power Watts-Pmax (Wp)*	100	165	175	265	330	335	340
Open Circuit Voltage Voc (V)*	22.29	23.15	23.35	45.57	46.05	46.08	46.25
Short Circuit Current Isc (A)*	6.01	9.19	9.35	7.69	9.32	9.45	9.52
Maximum Power Voltage Vmp (V)*	17.85	18.95	19.39	37.38	37.61	37.87	38.50
Maximum Power Current Imp (A)*	5.65	8.72	8.88	7.09	8.79	8.85	8.95
Maximum System Voltage	1000V	1000V	1000V	1000V	1000V	1000V	1000V
Solar Cells Per Module(Units)	36	36	36	60 & 72	72	72	72
Weight (Kg)	9	12.5	12.6	20	22	22.5	22.5

\*All electrical parameters specified at STC: 25°C cell temperature; 1000W/M<sup>2</sup> irradiance; AM 1.5

Glass : Tempered & Low Iron

Encapsulate: Ethylene Vinyl Acetate

Frame: Anodized Aluminum

Junction Box : Weather Proof Nylon 6

\*Technical Specifications can be changed without prior notice.