

## Electrical Specifications

Nominal Maximum Power (Pmax)	37W	40W	50W	60W	70W	75W	80W	90W	100W
Optimum Operating Voltage (Vmp)	17.64	18	17.64	18	17.64	17.64	18	17.64	18
Optimum Operating Current (Imp)	2.10	2.22	2.83	3.33	3.97	4.25	4.44	5.10	5.56
Open Circuit Voltage (Voc)	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
Short Circuit Current (Isc)	2.36	2.41	3.04	3.55	4.26	4.59	4.74	5.69	5.92

## Mechanical Specification

Module Dimensions (LXWXHT)	505X675X28 mm	505X675X28 mm	505X675X28 mm	700X675X28 mm	905X675X28 mm	905X675X28 mm	905X675X28 mm	1120X675X28 mm	1120X675X28 mm
Weight	4.43kg/9.78lbs	4.43kg/9.78lbs	5.95kg/13.12lbs	5.95kg/13.12lbs	7.54kg/16.63lbs	7.54kg/16.63lbs	7.54kg/16.63lbs	9.22kg/20.32lbs	9.5kg/20.94lbs
Cell Arrangement	36 (9X4)	36 (9X4)	36 (9X4)	36 (9X4)	36 (9X4)	36 (9X4)	36 (9X4)	36 (9X4)	36 (9X4)
Front Cover (Tempered Glass)	3.2mm	3.2mm	3.2mm	3.2mm	3.2mm	3.2mm	3.2mm	3.2mm	3.2mm
Encapsulate	EVA	EVA	EVA	EVA	EVA	EVA	EVA	EVA	EVA
Back Cover	Composite sheet	Composite sheet	Composite sheet	Composite sheet	Composite sheet	Composite sheet	Composite sheet	Composite sheet	Composite sheet
Junction Box	2 terminal	2 terminal	2 terminal	2 terminal	2 terminal	2 terminal	2 terminal	2 terminal	3 terminal
Mounting Holes Pitch (Y)-mm	255	255	340	340	450	450	450	665	665
Mounting Holes Pitch (X)-mm	643	643	643	643	643	643	643	643	643

\* Maximum System Voltage : 1000 V \* Measurement Power Tolerance on Power  $\pm 3\%$ , 0 / + Tolerance on Max power Available upon request.

\* Under Standard Test Conditions (STC) of irradiance of 1000W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25 °C

## Other Characteristics

- Junction Box : Weather proof Nylon 6
- Type of Cell : Mono / Multi Crystalline Silicone
- Temp. Coefficients : Coefficient of Current ( $\alpha$ ) - (0.060 %/°C)  
 Coefficient of Voltage ( $\beta$ ) - (-0.35 %/°C)  
 Coefficient of Power ( $\lambda$ ) - (-0.45%/°C)

\* Certification : Complied to IEC 61215, 61730-1, 61730-2 & 61701, UL1703, MNRE Approved.

\* The Standard range of modules is supplied without diodes. However, diodes can be provided on specific customer request at extra cost.

\* Due to constant product modifications, SONALI SOLAR reserves the right to amend.

## Tested Operating Conditions:

- Temperature Cycling Range : (-40 °C~+85 °C)
- humidity Freeze, Damp Heat : 85 % RH

## Mounting Details

All dimensions in mm and tolerances  $\pm 2$ mm

