

## Electrical Specifications

	3W	5W	8W	10W	12W	15W	18W	20W	25W	30W
Nominal Maximum Power (Pmax)	8.82	8.82	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64
Optimum Operating Voltage (Vmp)	0.34	0.57	0.46	0.57	0.68	0.85	1.02	1.13	1.42	1.70
Optimum Operating Current (Imp)	10.8	10.8	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
Open Circuit Voltage (Voc)	0.37	0.61	0.48	0.61	0.73	0.92	1.09	1.20	1.53	1.82

## Mechanical Specification

Module Dimensions (LXWXH)	200X200X18 mm	315X200X18 mm	240X355X18 mm	300X355X18 mm	340X355X18 mm	395X355X18 mm	470X355X18 mm	505X355X18 mm	640X355X18 mm	745X355X18 mm
Weight	0.59kg/1.29lbs	0.86kg/1.90lbs	1.12kg/2.47lbs	1.36kg/3.00lbs	1.52kg/3.36lbs	1.74kg/3.85lbs	2.05kg/4.51lbs	2.19kg/4.82lbs	2.63kg/5.80lbs	3.16kg/6.96lbs
Cell Arrangement	18 (9X2)	18 (9X2)	36 (9X4)	36 (9X4)	36 (9X4)	36 (9X4)	36 (9X4)	36 (9X4)	36 (18X2)	36 (18X2)
Front Cover (Tempered Glass)	3.2mm	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	EVA
Back Cover	Composite sheet	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	2 terminal	2 terminal
Mounting Holes Pitch (Y)-mm	100	157.5	120	150	170	197.5	235	252.5	320	372.5
Mounting Holes Pitch (X)-mm	176	176	331	331	331	331	331	331	331	331

\* 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  
 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, 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

