

## TECHNICAL DATA 75W TO 210W

### Performance Under Standard Test Conditions (STC)

	75w	80w	105w	125W	160w	165w	210W
Nominal Maximum Power (Pmax)	75w	80w	105w	125W	160w	165w	210W
Module Eff (%)	15.23	16.25	15.86	16.51	16.15	16.66	15.95
Optimum Operating Voltage (Vmp)	18.15	19.09	18.98	19.53	19.07	19.32	25.27
Optimum Operating Current (Imp)	4.13	4.19	5.53	6.4	8.39	8.54	8.3
Open Circuit Voltage (Voc)	22.68	22.82	22.71	22.96	22.86	22.96	30.28
Short Circuit Current (Isc)	4.44	4.47	5.93	6.81	8.96	9.09	8.91

### Mechanical Specification

	735mm X 670mm X 34 mm (Optional 30mm)	995mm X 665mm X 34 mm (Optional 30mm)	1135mm X 667mm X 34 mm (Optional 30mm)	1485mm X 665mm X 34 mm (Optional 30mm)	1330mm X 990mm X 36 mm
Dimensions (L X W XH in mm)					
Weight(kg)	5.5 kgs	7.6 kgs	8.4 kgs	11.1 kgs	14.5 kgs
No Of Cell	36	36	36	36	48
Cell Arrangement	9x4	9x4	9x4	9x4	8x6
Front Cover (Tempered Glass)	Low Iron Tempered Solar Glass	Low Iron Tempered Solar Glass	Low Iron Tempered Solar Glass	Low Iron Tempered Solar Glass	Low Iron Tempered Solar Glass
Encapsulate	EVA	EVA	EVA	EVA	EVA
Back Cover	Backsheet	Backsheet	Backsheet	Backsheet	Backsheet
Junction Box with Bypass diode	IP 68 Certified 3-rail, 2 diodes junction box	IP 68 Certified 3-rail, 2 diodes junction box	IP 68 Certified 3-rail, 2 diodes junction box	IP 68 certified 3-rail, 2 diodes junction box	IP 68 certified 4-rail, 3 diodes junction box
Mounting Holes Pitch (Y)-mm	400	500	600	900	800
Mounting Holes Pitch (X)-mm	640	635	637	635	946

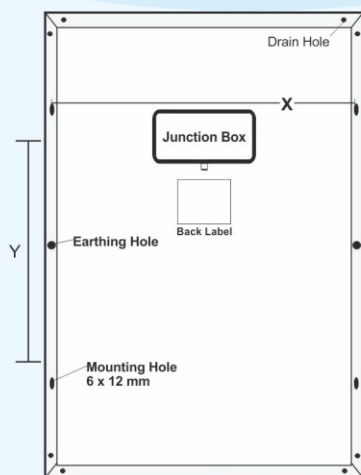
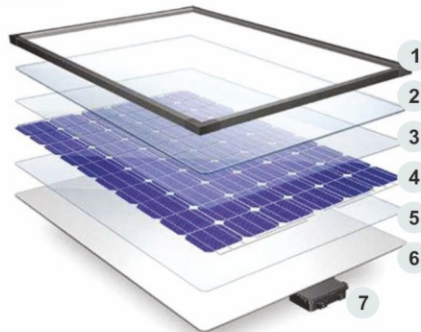
BACK VIEW

SIDE VIEW

25/32/34 mm

### MAXIMUM OPERATING CONDITIONS

- 1) Aluminum Frame
- 2) Solar Tempered Glass
- 3) Encapsulant
- 4) Solar Cell String
- 5) Encapsulant
- 6) Backsheet
- 7) Junction box



### CERTIFICATIONS



BIS TESTED AS PER MNRE GUIDELINES

### Maximum Operating Conditions

Operating Temperature:	-40°C to +85°C
Maximum System Voltage:	600V / 1000V
Maximum Series Fuse Rating:	12A/15A

\*\* Refer to Pahal Solar's warranty document for terms and conditions.

### Guarantees and Certifications

Product Warranty**	5 Years / 10 Years
Performance Warranty**	Guaranteed Output power :- 90% for 10 years, 80% for 25 years
Approvals & Certificates	IS 14286:2010 / IEC 61215:2005, IS 61730-1:2004 / IEC 61730-1:2005, IS 61730-2:2004 / IEC 61730-2:2005, ISO 9001:2015/ ISO 14001:2015/ OHSAS 18001:2007, IEC 62804, IEC 61853, IEC 61701

**Disclaimer :** specifications included in the datasheet are subject to change without prior notice owing to conditions innovation on the product Development and R&D Activities. PAHAL SOLAR reserves the right to make any adjustment to the information described here, Dataset contained in this specification do not form a representative of a single module data.