

TECHNICAL DATA 75W TO 210W

Performance Under Standard Test Condition (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

	735 mm x 670 mm x 34 mm (Optional 30 mm)	995 mm x 665 mm x 34 mm (Optional 30 mm)	1135 mm x 667 mm x 34 mm (Optional 30 mm)	1485 mm x 665 mm x 34 mm (Optional 30 mm)	1330 mm x 990 mm x 36 mm
Dimensions (L X W X H 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	36
Cell Arrangement	9 x 4	9 x 4	9 x 4	9 x 4	9 x 4
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
25/32/38 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

IS 14286
IEC 61730-1&2

R-72001848

BIS TESTED AS PER MNRE GUIDELINES

Maximum Operating Conditions

Operating Temperature	-40°C to +85°C
Maximum System Voltage	600V
Maximum Series Fuse Rating	6.5A/12A

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

All Dimensions are in mm with +/-1% tolerance.

Guarantees and Certifications

Product Warranty**	5 years / 10 Years
Performance Warranty***	Guaranteed Output Power - 90% for 10 Years, 80% for 25 Years

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

Approvals & Certificates

Disclaimer : Specification 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.