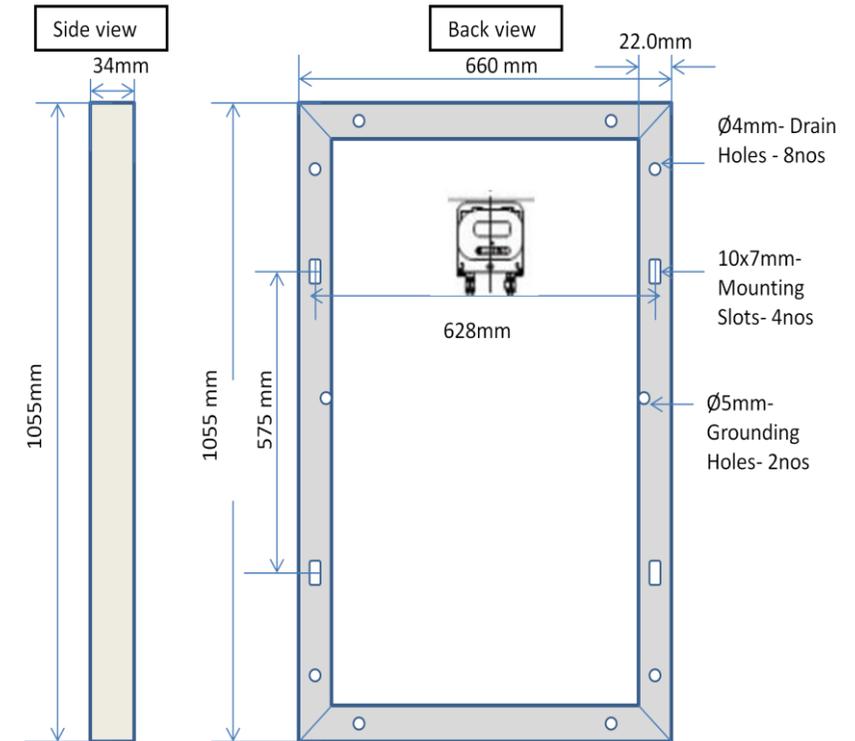




Model No.	ASL-S10012
ELECTRICAL CHARACTERISTIC	
Nominal Power at STC, (Pmax)	100 WP
Maximum Voltage at Pmax, (Vmp)	18.8 V DC
Maximum Current at Pmax, (Imp)	5.310 A
Open Circuit Voltage, (Voc)	22.6 DC
Short Circuit Current, (Isc)	5.947A
Max. System Voltage	1000V DC
Nominal Operating cell temperature (NOCT)	47° C ± 2° C
Temperature coefficient- power	0.00157%/°C
Standard Test Condition	Irradiance 1000W/m², Module temperature at 25° C and AM 1.5
CELL CHARACTERISTIC	
Type of Solar Cell	Mono / Poly Crystalline, 156x156mm±0.5mm
Number of Cells /Cell Size	36 / 108X156 mm
Arrangement of Cells	9x4
MECHANICAL CHARACTERISTIC	
Frame	Anodized Aluminum alloy
Ground Hole	Dia-5mm-2Nos at the center Length side of Channels
Drain Holes	Dia-4mm shall be provided at every corner if required
Front Glass	3.2mm Low Iron, Tempered and Textured Glass
Type of Junction Box	IP65 With bypass Diode 3 Terminal Polycarbonate
Primary Packing Box Dimension (LWH)	1070x50x675mm
Number of Module per Secondary Box	5 in one
Secondary Packing Box Dimension (LWH)	1100x300x705mm
Weight of Individual Module	8.1 Kgs
Weight of Secondary Box with Module	49.20Kgs
TOLERANCE	
Power	±5% under STC
Electrical Parameters	±10% under STC
Physical Dimension	±3mm
Weight	±5%

PHOTOVOLTAIC MODULE DATA SHEET



Mechanical Dimension:

Module Dimension in mm		Mounting Dimension in mm	
Length	1055	Length	575
Width	660	Width	628
Channel Thickness	34	Pitch Hole	10x7mm
Module Dimension Tolerance ± 3mm			

- Notes:**
- Performance parameters are under Standard Test Conditions (STC) @ 1000W/m², (AM 1.5, 25° C)
 - Max. System Voltage (V DC): As per IEC 61215 Ed.2 1000V & UL 1703 600V
 - Model No. Nomenclature: "ASL" "Stands for Access solar limited", "S" for "Small power series", "R" for "RDSO" series and "P" for "High power Series"
 - Due to continuous development and product improvement, Company reserves the right to change / alter the specifications without any prior notice

Prepared By:

Approved By: