ACCESS SOLAR LIMITED
An ISO 9001:2008 & IEC Certified Company
World Class Process & Product Quality Certified by TUV Rheinland-Germany

TÜV Rheinland® CERT ISO 9001

Qualified, IEC 61215
Safety tested,
EN 61730
Periodic inspection

PHOTOVOLTAIC MODULE DATA SHEET

Model No.	ASL-P16180
ELECTRICAL CHARACTERISTIC	
Nominal Power at STC, (Pmax)	**180** WP
Maximum Voltage at Pmax, (Vmp)	24.8 V DC
Maximum Current at Pmax, (Imp)	7.27 A
Open Circuit Voltage, (Voc)	29.7 DC
Short Circuit Current, (Isc)	8.14 A
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	48 / 156X156 mm
Arrangement of Cells	8x6
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 4 Terminal Polycarbonate
Primary Packing Box Dimension (LWH)	1380x65x1022mm
Number of Module per Secondary Box	2 in one
Secondary Packing Box Dimension (LWH)	1410x170x1052mm
Weight of Individual Module	16.36 Kgs
Weight of Secondary Box with Module	43.30Kgs
TOLERENCE	
Power	±5% under STC
Electrical Parameters	±10% under STC
Physical Dimension	±3mm
Weight	±5%

Side view — 42 mm
Back view — 1002 mm — 27.5 mm
1357 mm
966 mm
750 mm
Ø5mm- Grounding Holes- 2nos
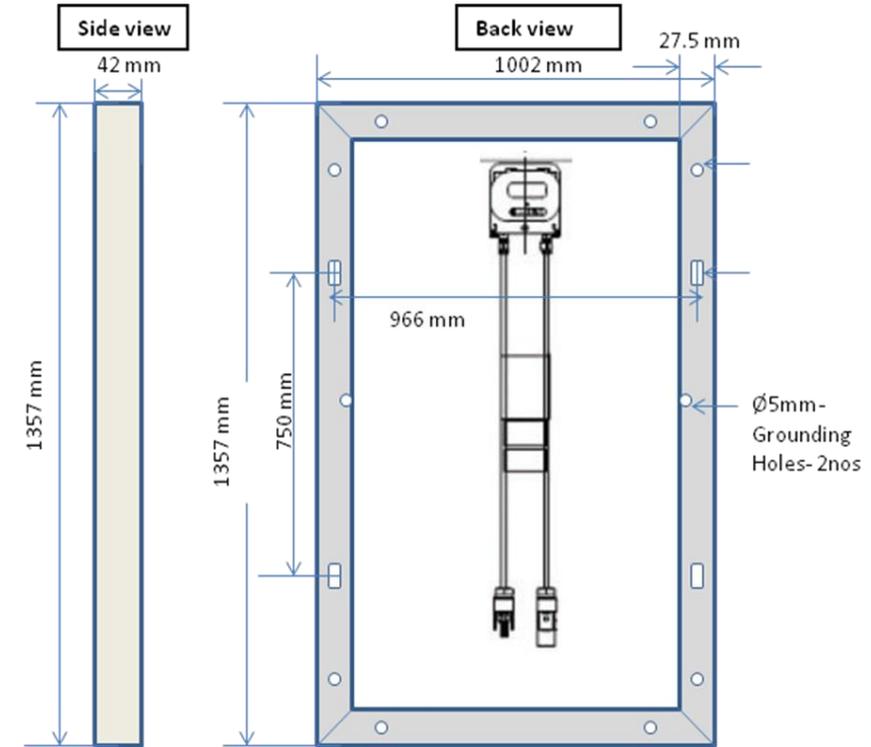
Mechanical Dimension:

Module Dimension in mm		Mounting Dimension in mm	
Length	1357	Length	750
Width	1002	Width	966
Channel Thickness	42	Pitch Hole	12x8mm
Module Dimension Tolerance ± 3mm			

Notes: 1. Performance parameters are under Standard Test Conditions (STC) @ 1000W/m², (AM 1.5, 25° C)

2. Max. System Voltage (V DC): As per IEC 61215 Ed.2 1000V & UL 1703 600V

3. Model No. Nomenclature: "ASL" "Stands for Access solar limited", "S" for "Small power series", "R" for "RDSO" series and "P" for "High power Series

4. Due to continuous development and product improvement, Company reserves the right to change / alter the specifications without any prior notice

Prepared By: Approved By: