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Solar Panel Guide Specification Data Sheet

Access Solar Limited

ASL-P16180

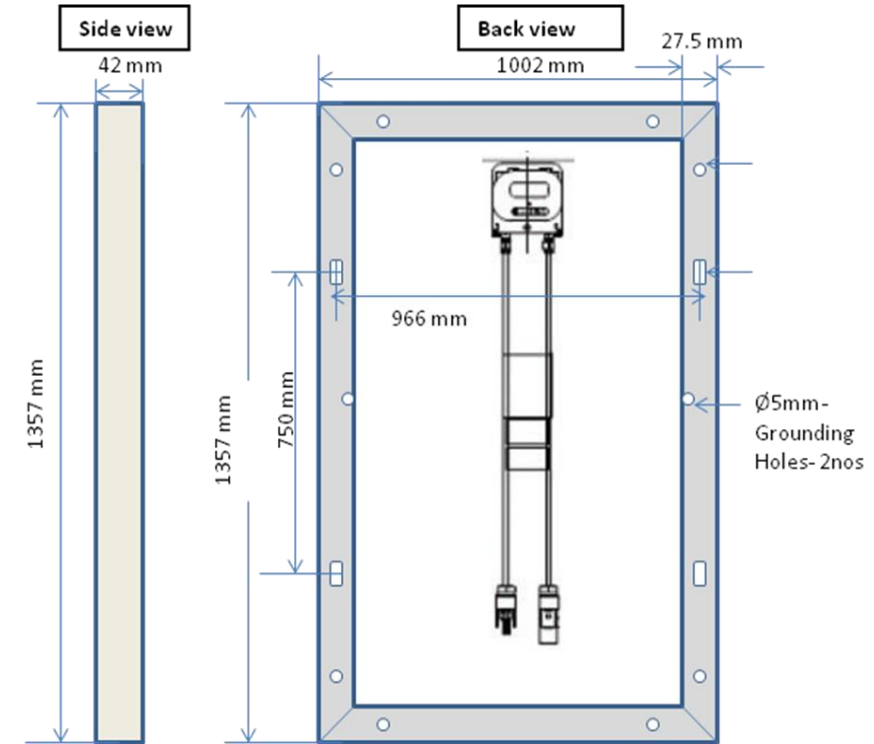
ASL-P16180

Also available on the web at
EnergyPal.com/access-solar-limited-solar-panels/asl-p16180



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/m ² , 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
TOLERANCE	
Power	±5% under STC
Electrical Parameters	±10% under STC
Physical Dimension	±3mm
Weight	±5%



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:**
- 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: