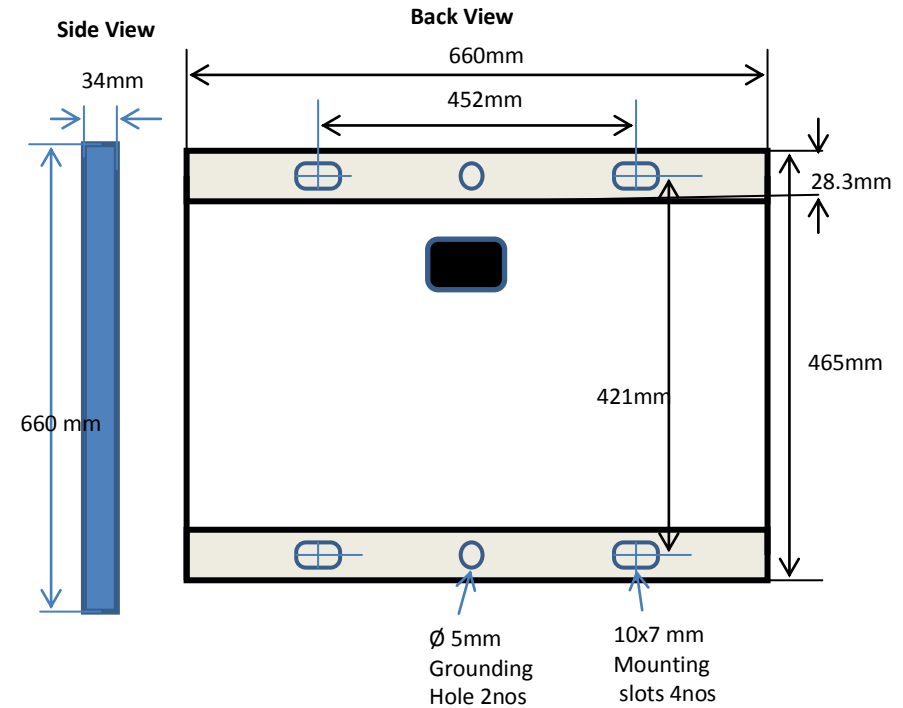




| | |
|---|--|
| Model No. | ASL-S4512 |
| ELECTRICAL CHARACTERISTIC | |
| Nominal Power at STC, (Pmax) | 45 WP |
| Maximum Voltage at Pmax, (Vmp) | 18.3 V DC |
| Maximum Current at Pmax, (Imp) | 2.46 A |
| Open Circuit Voltage, (Voc) | 22.0 DC |
| Short Circuit Current, (Isc) | 2.8A |
| Max. System 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 | 36 / 46X156 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 | N/A |
| 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) | 680x50x477mm |
| Number of Module per Secondary Box | 5 in one |
| Secondary Packing Box Dimension (LWH) | 705x325x507mm |
| Weight of Individual Module | 3.80 Kgs |
| Weight of Secondary Box with Module | 23.60 Kgs |
| 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 | 660 | Length | 452 |
| Width | 465 | Width | 421 |
| Channel Thickness | 34 | Pitch Hole | 10x7 |
| 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: