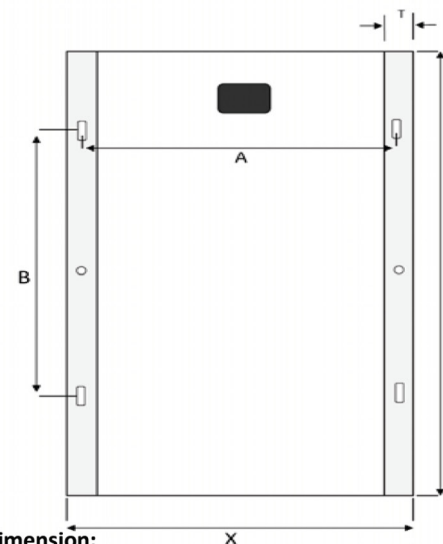




PHOTOVOLTAIC MODULE DATA SHEET

Model No.	DRS-1220
TYPICAL ELECTRICAL CHARECTORISTIC	
Nominal Power at STC, (Pmax)	20Watt
Maximum Voltage at Pmax, (Vmp)	17.50V DC
Maximum Current at Pmax, (Imp)	1.14A
Open Circuit Voltage, (Voc)	21.70V DC
Short Circuit Current, (Isc)	1.36A
Temperature Co-efficient of Pmax	-0.43%/K
Temperature Co-efficient of Voc	-0.36%/K
Temperature Coefficient of Isc	+0.06%/K
Max. System Voltage	1000V DC
Operating Temperature	(-)40 to (+)85°C
Storage Temperature	(-)40 to (+)85°C
NOCT	47°C
Standard Test Condition	Irradiance 1000W/m ² , Module temperature at 25° C and AM 1.5G Spectrum
CELL CHARECTORISTIC	
Type of Solar Cell	Poly Crystalline, 156x156mm±0.5mm
Number of Cells /Cell Size	36 / 22X156 mm
Arrangement of Cells	18x2
MECHANICAL CHARECTORISTIC	
Frame	Anodized Aluminum frame, Single Channel
Ground Hole	--
Drain Holes	--
Front Glass	3.2mm Low Iron, Tempered and Textured Glass
Type of Junction Box	2 Terminal Polycarbonate
Protection for Junction Box	NA
Size of Junction Box	60x60 mm
Primary Packing Box Dimension(LWH)	560x30x345mm
Number of Module per Secondary Box	10 No.
Secondary Packing Box Dimension(LWH)	570x300x360mm
Weight of Individual Module	2.7 Kgs
Weight of Secondary Box with Module	27 Kgs
TOLERANCE	
Power	±5% under STC
Electrical Parameters	±10% under STC
Physical Dimension	±4mm
Weight	±5%

Module Diagram:



Mechanical Dimension:

Module Dimension in mm			Mounting Dimension in mm		
Length	Y	552	Length	B	352
Width	X	340	Width	A	297
Channel Thickness	T	34	Pitch Hole		10X7mm
Module Dimension Tolerance ± 2mm					

Notes:

- *Performance parameters are under Standard Test Conditions (STC) @ 1000W/m², AM 1.5, 25° C)
- 2. Mounting Hole Dimensions in mm (LxW) @ 4no's on Length (L) side of Channel
- 3. Power Tolerance: ± 5%, 4. Electrical Parameter Tolerance: ± 10% 5. Max. System Voltage (V DC): As per IEC 61215 Ed.2 1000V & UL 1703 600V
- 6. Drain holes of @Ø4mm shall be provided at every corner if required
- 7. Ground Holes @Ø 5mm-2 no's are provided at the center Length (L) side of Channels
- 8. Due to continuous development and product improvement, Company reserves the right to change / alter the specifications without any prior notice