

PRODUCT SPECIFICATION AND DATA SHEET

Part no : 5211.0025
Description : SOALR MODULE, TBP1280M

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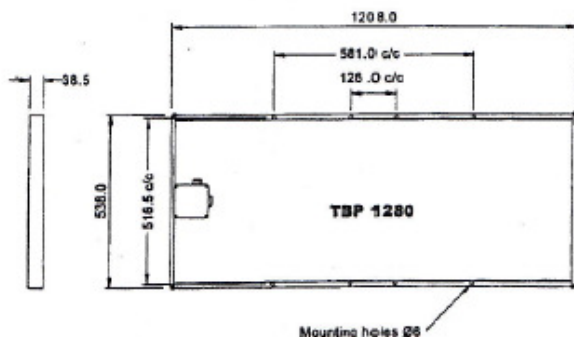


1.0 Mechanical Data

1.1	Cell Technology	Multi Crystalline, Silicon Nitride
1.2	Cell Length	125
1.3	Cell Width	125
1.4	Series Cells	36
1.5	Parallel Cells	1
1.6	Module Length	1208
1.7	Module Width	538
1.8	Module Depth	38.5
1.9	Module Weight	7.5
1.10	Superstrate	Glass, Tempered, 3.2mm
1.11	Substrate	PET-White
1.12	Frame Type	Anodized Aluminium –HE9P/6063-T6, Frame with Edge sealant
1.13	Output Cable	No cable
1.14	Connector Type	None
1.15	Termination System	External screw terminal
1.24	Front surface	
1.25	Back surface	
1.16	Package qty	1
1.17	Cable entry	Two expandable to four cable gland entry points
1.18	Frame Finish	Clear Anodized
1.19	Front Color	White
1.20	Back Color	white
1.21	Transmission	
1.22	Junction Box	High density poly ethylene (HDPE)hinged weather proof, with captive screws
1.23	Junction Box fixing	Fixed to the end frame

Note:

1. *Packing: Individual: Road worthy, carton packed
Bulk Packing: Each Solar module is carton packed and finally packed in a Road worthy Master packing depending on the Qty. to be supplied.



2.0 Electrical Data

2.1	Rated Power	80
2.2	Power HI Limit Watt	88
2.3	Power Lo Limit	80
2.4	Module Voltage	12
2.5	Voltage Open Circuit	22.00
2.6	Current Short Circuit	5.20
2.7	Voltage Max Power	17.60
2.8	Min Voltage Max Power	16.30
2.9	Current Max Power	4.70
2.10	Voltage Reference	15
2.11	Current Reference	4.78
2.12	Series Fuse Size	15
2.13	Min Bypass Diode Size	6
2.14	Max System Voltage	600
2.15	Hi Pot Test Voltage	2200
2.16	Reference Module	BP380
2.17	Current Noct	3.70
2.18	Power Noct @ 49 Deg.C	57
2.19	Design Max Voc	
2.20	Design Min Vmp	
2.21	Fill Factor	≥ 0.68

3.0 Legal Data

3.1	Power Warranty	10 year 90%
3.2	Workmanship Warranty	1 year
3.3	Label Data	Generic

4.0 Environment and operating conditions

4.1	Temperature	-40° C to +85° C
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5.0 Testing and Certification

	Certification	Status
5.1	RDSO/DGS&D	Yes
5.2	IEC61215/PV GAP/STQC	Yes

6.0 Drawings

	Drawing Number	Revision Status
6.1	5211.0025	
6.2	Cell Details-Multi:N011092	
PDS	01.01.2006	B

2. Blocking diode: optional
3. Due to continuous improvement, specifications and data sheet may change without notice

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