

**Product specification sheet**  
**Draft version 4.0**

**Electrical parameters**

Model	MBTF85	MBTF170	MBTF340
Maximum power	82 W	167 W	337 W
Power output tolerance	±2.5%	±2.5%	±2.5%
Open circuit voltage	94.1 V	190.0 V	190.0 V
Short circuit current	1.42 A	1.42 A	2.86 A
Maximum power voltage	74.4 V	150.3 V	150.3 V
Maximum power current	1.11 A	1.11 A	2.24 A
Maximum system voltage	1000 V	1000 V	1000 V

**Temperature Coefficients**

Maximum power	-0.20%/°C
Open circuit voltage	-0.33%/°C
Short circuit current	0.09%/°C
Maximum power voltage	-0.32%/°C
Maximum power current	+0.14%/°C

**Operating conditions (under review)**

Temperature range	-40 to +85
Max snow load [Pa]	According to IEC 61646
Max wind load [Pa]	According to IEC 61646

\* All Measurements taken under standard test conditions (STC) :

- ^ Irradiance 1KW/m<sup>2</sup>
- ^ Spectrum of AM1.5
- ^ Module Temperature 25<sup>0</sup> C

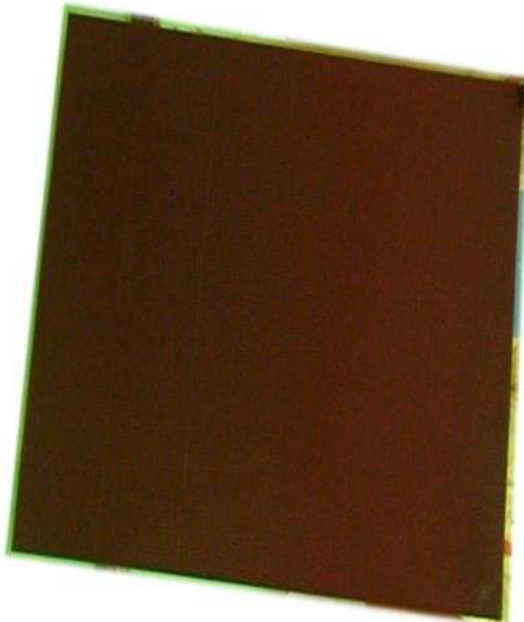
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**PV Technologies**

**Via Agrate 12 - 28010 Veruno (NO)**  
**ITALY**

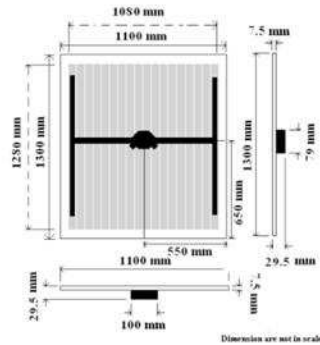
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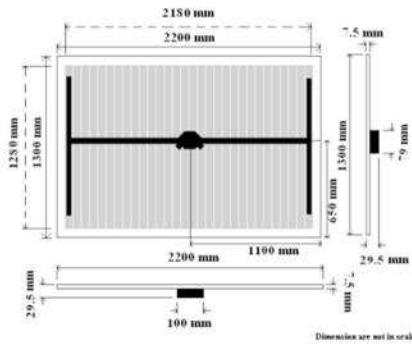
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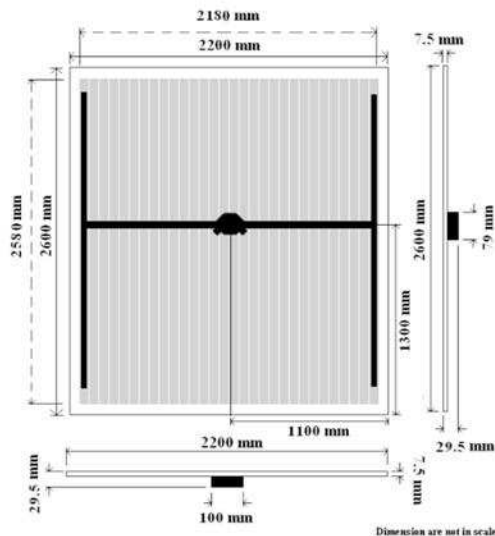
**MBTF85**



**MBTF170**



**MBTF340**



### Mechanical parameters

Model	MBTF85	MBTF170	MBTF340
Length [mm]	1300	1300	2600
Width [mm]	1100	2200	2200
Depth [mm]	7.5	7.5	7.5
Depth with junction box [mm]	29.5	29.5	29.5
Weight [Kg]	25	49	98
Junction Box (manufacturer/type/length[mm]/Width [mm]/depth[mm])	Multi-Contact/(PV-JB/SM)/100/79/22		
Front cover (material/thickness [mm])	Glass/3.2	Glass/3.2	Glass/3.2
Segment type (quantity/technology)	104/a-Si	210/a-Si	210/a-Si
Module lamination (material)	Poly vinyl butryl	Poly vinyl butryl	Poly vinyl butryl
Rear cover (material/thickness [mm])	Glass/3.2	Glass/3.2	Glass/3.2
Frame	Frameless	Frameless	Frameless

### Warranties

Product warranty	5-year limited warranty
Performance gurantee	10 years at 90% of the minimal rated power output 25 years at 80% of the minimal rated power output

### Qualification and Certificates

IEC 61646	To be completed
TUV safety class II	To be completed
UL Fire rating certification	To be completed

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