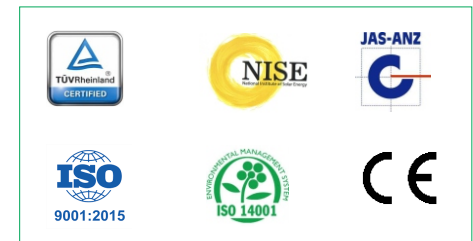
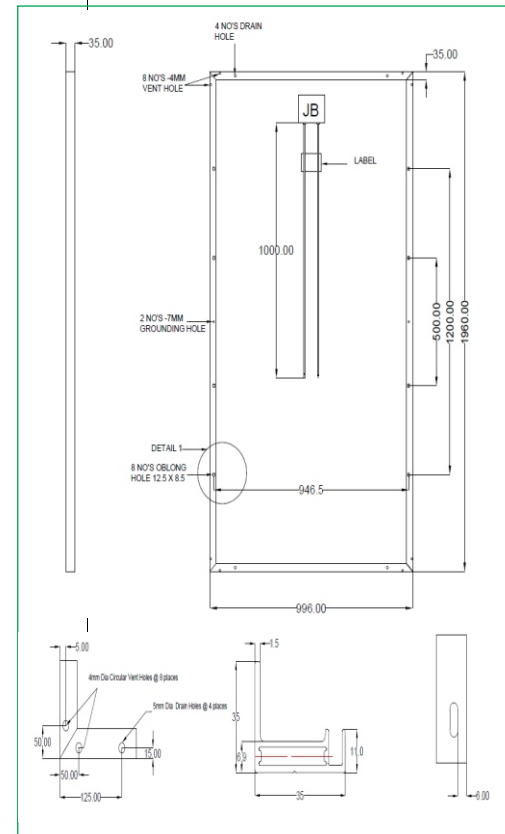


# GIGATHRON SERIES

## 4BB SERIES

Model Type	EFS24320MF72
<b>Electrical Data: at Standard test condition (STC)*</b>	
Maximum power ( $P_{max}$ )	320W
Open circuit voltage ( $V_{oc}$ )	45.72 V
Short circuit current ( $I_{sc}$ )	9.28A
Voltage at $P_{max}$ ( $V_{mp}$ )	36.75 V
Current at $P_{max}$ ( $I_{mp}$ )	8.77 A
Tolerance at $P_{max}$	$\pm 3\%$ Wp
<b>Thermal Data:</b>	
Temperature coefficient of $V_{oc}$	-0.36 %/K
Temperature coefficient of $I_{sc}$	0.06 %/K
Temperature coefficient of $P_{max}$	-0.43 %/K
Normal operating cell temperature	$47 \pm 2$ °C
<b>Mechanical Data:</b>	
Cell type	Multi Crystalline
Solar cell per module	72
Module dimensions L x W x T, mm	1960 x 996 x 35
Mounting hole pitch (Y)	1200 & 500 mm
Mounting hole pitch (X)	947mm
Mounting hole size (A)	12 x 8.5mm oblong holes at 8 places
Module weight, Kg	22
Module area, m <sup>2</sup>	1.952
Junction box	IP67 With 3 diode
Cables & Plug	MC4
Front cover	3.2 Toughened textured low iron glass
Embedding	EVA (ethylene vinyl acetate)
<b>Permissible operating conditions:</b>	
Operating temperature range	-40 °C TO 85 °C
Maximum system voltage	1000 VDC
Application class	A
<b>Warranty and Certifications :</b>	
Product Warranty	10 years on material & workmanship
Performance Warranty	25 years linearis power out put



Notes:

\* STC: 1000 W/m<sup>2</sup> irradiance, 25°C cell temperature, AM 1.5g spectrum according to EN 60904-3

The specifications and the key feature may deviate due to on going innovation, research and product enhancement. Enfros reserves the right to make any changes/modifications to the information described herein at any time without prior notice.  
 Warranty - Please refer to "Enfros Solar Warranty" document for Terms & Conditions  
 Certifications - IEC 61215 Ed. 2, IEC 61730, IEC 61701, CE

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