

Cost efficient PV solution for existing light roofs, large industrial buildings and flat roofs!

Ref **FLX-MO100**

Physical Specifications

Width	[mm]	1220
Length	[mm]	3600
Thickness	[mm]	2.3
Support	[-]	TPO coated metal (0.6mm metal / 0.9mm TPO)
Colour	[-]	gray, tan or white
Solar Modules	[-]	flexcell 2S22P / 936mm x 3353mm
Electrical Junction Box	[-]	rear JB, Multi-Contact MC PV-LC
Electrical Cables & Connectors	[-]	Flex-Sol 2.5 SN / KBT3II - KST3II
Specific Weight	[kg/m ²]	6.40

Electrical Specifications*

* @Standard Testing Conditions (STC):1000W/m², AM1.5, 25°C
 ** MPP = Maximum Power Point

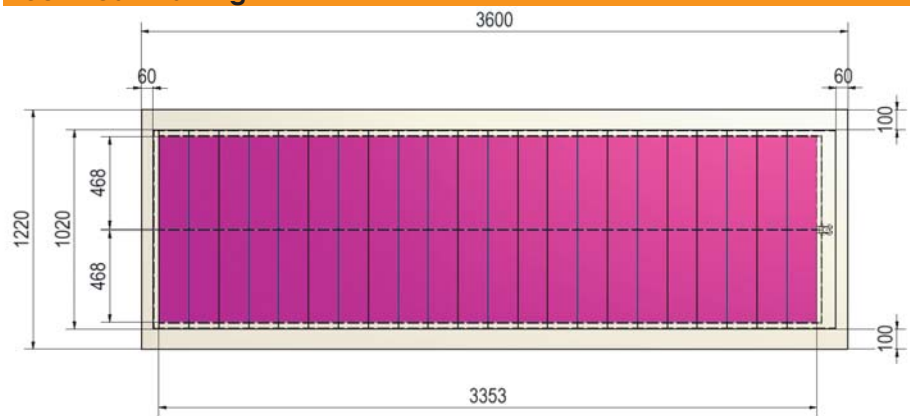
Rated Power*	Pmpp** [W]	101
Rated Voltage*	Vmpp** [V]	45.4
Rated Current*	Impp** [A]	2.23
Short Circuit Current*	Isc [A]	3.0
Open Circuit Voltage*	Voc [V]	64.1
Short Circuit Current	Isc[A] @ 75°C	3.1
Open Circuit Voltage	Voc[V] @ -20°C	71
Temperature Coefficient for Voc	[%/°C]	- 0.237
Temperature Coefficient for Isc	[%/°C]	0.086
Max. System Voltage	[V]	600
Series Fuse Rating	[A]	10

Quality Specifications

Tolerance of Rated Power		+/-10%
Warranty on Power Output		20 years for 80% of Rated Power (STC)
Certificates		EN 61646

Notes
 - during the first 2-4 weeks of operation, electrical output exceeds specified ratings. Power output may be higher by 25%, operating voltage may be higher by 18% and operating current may be higher by 7%.
 - specifications subject to technical changes

Technical Drawing



Product Advantages

- > a-Si thin film module with superior energy yields under real weather conditions
- > low specific weight suitable for light roofs
- > quick-built system using the existing roof as backing structure
- > easy to handle
- > easy electrical connection with Multi-Contact Quick-Connect system
- > suitable for any roof tilt and orientation
- > high energy yield for flat roofs
- > specifically adapted for trapezoidal and PVC roofing systems

