



# ML MODULE



**25 YEARS**  
POWER  
WARRANTY



**HIGH**  
EFFICIENCY



**REDUCTION**  
OF SHADING  
LOSSES



**RESISTANCE**  
TO HAIL

**PID**

**RESISTANCE**  
TO PID EFFECT



**100% EL TEST**  
DEFECT FREE



**EASY**  
MOUNTING



**POLISH**  
MANUFACTURER



**WZOROWE**  
PODKARPACIE

**PODKARPACKI KLUB BIZNESU**



SMART FUTURE

## ML SYSTEM S.A. – CUSTOMER SERVICE

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Comprehensive offer available at  
[www.sklep.mlsystem.pl](http://www.sklep.mlsystem.pl)  
[www.mlsystem.pl](http://www.mlsystem.pl)  
[www.mojprad.mlsystem.pl](http://www.mojprad.mlsystem.pl)



# PHOTOVOLTAIC MODULE

TYPE: ML-S6MF/G0-272-986/1940

SERIES: ML-S6MF/G0-272-986/1940/220601001

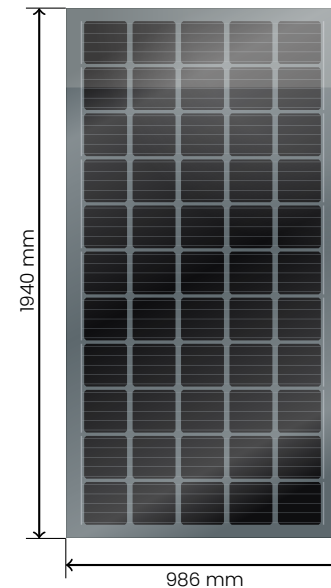
FAMILY: MOF1000

MECHANICAL PARAMETERS	
Monocrystalline solar cells	55 pcs. front contact, busbar: 5 pcs., size: 156.75x156.75±0.5 mm
Cell color	black
Cell fill ratio	69.6%
Front cover	4mm Low Iron ESG
Rear cover	4mm Antisol Ciemny Grafit ESG
Encapsulant	PVB
Frame type	frameless
Dimensions	986x1940±5 mm
Weight	43.5±0.5 kg
Junction box	IP67, connector MC-4 compatible

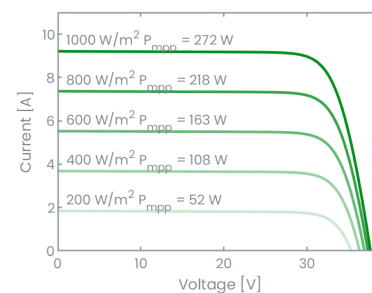
OPERATING CONDITIONS	
Ambient temperature	-45 to 85 °C
Max. load (front/rear)	5400/ 2400 Pa
Hail resistance	hail: 25 mm , 23 m/s, 7.5 g

ELECTRICAL PARAMETERS		
MEASURED IN STANDARD TEST CONDITIONS WHERE: IRRADIATION 1000 W/m <sup>2</sup> , AM1.5, TEMPERATURE 25°C, ELECTRICAL PARAMETER TOLERANCE 3%, POSITIVE POWER TOLERANCE		

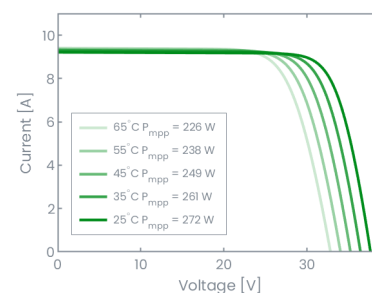
Rated power	P <sub>MPP</sub>	272 W
Cell efficiency	η <sub>cell</sub>	22.5 %
Rated voltage	V <sub>MPP</sub>	31.1 V
Open circuit voltage	V <sub>OC</sub>	37.6 V
Rated current	I <sub>MPP</sub>	8.74 A
Short circuit current	I <sub>SC</sub>	9.21 A
Fill factor	FF	78.5 %
System voltage	V <sub>sys</sub>	1000 V
Overcurrent protection	OCP	15 A
Current temperature coefficient	TCI	0.05 %/°C
Voltage temperature coefficient	TCV	-0.32 %/°C
Power temperature coefficient	TCP	-0.42 %/°C
Protection class	class II (application class A)	
Compliance with standards	IEC 61215 IEC 62716 IEC 62804 EN 12600	IEC 61730 IEC 61701 EN 14449 EN 12543
Factory quality certificates	ISO 9001 ISO 50001	ISO 14001 ISO 45001
LID	<3%	
Power warranty	12 years - 10% 25 years - 17 %	
Product warranty	10 years	



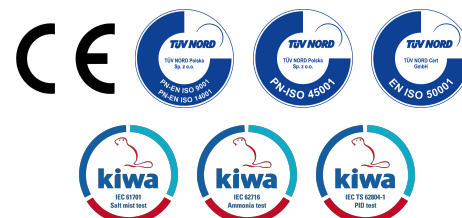
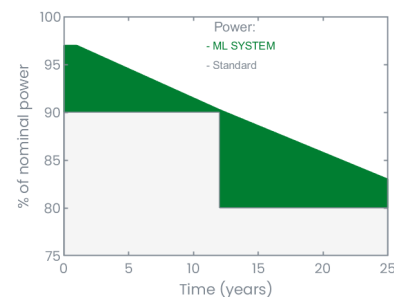
Irradiation characteristics



Temperature characteristics



Power warranty



Due to continual product improvement ML SYSTEM S.A. reserves the right to change the product characteristics without prior notice.

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