



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



SMART FUTURE

ML SYSTEM S.A. – CUSTOMER SERVICE

36-062 Zaczerwie 190 G Poland
tel. 17 77 88 299
tel. +48 731 006 008|+48 731 006 003|+48 731 556 558
e-mail: dok@mlsystem.pl



Comprehensive offer available at
www.sklep.mlsystem.pl
www.mlsystem.pl
www.mojprad.mlsystem.pl



PHOTOVOLTAIC MODULE



TYPE: ML-S6MF/G0-297-1030/1768

SERIES: ML-S6MF/G0-297-1030/1768/220601002

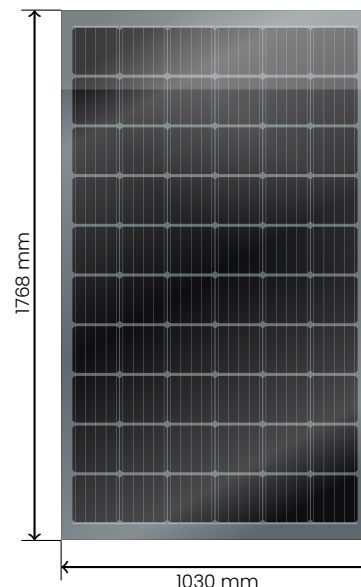
FAMILY: MOF1000

MECHANICAL PARAMETERS	
Monocrystalline solar cells	60 pcs. front contact, busbar: 5 pcs., size: 156.75x156.75±0.5 mm
Cell color	black
Cell fill ratio	79.8%
Front cover	4mm Low Iron ESG
Rear cover	4mm Antisol Ciemny Grafit ESG
Encapsulant	PVB
Frame type	frameless
Dimensions	1030x1768±5 mm
Weight	41.5±0.5 kg
Junction box	IP67, connector MC-4 compatible

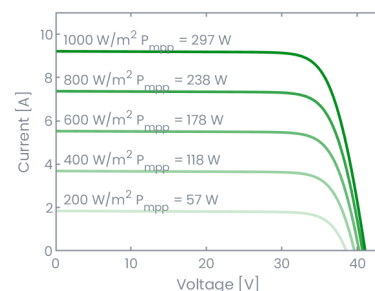
OPERATING CONDITIONS	
Ambient temperature	-45 to 85 °C
Max. load (front/rear)	5400/ 2400 Pa
Hail resistance	hail: 25 mm , 23 m/s, 7.5 g

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

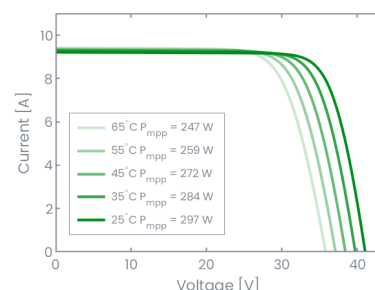
Rated power	P _{MPP}	297 W
Cell efficiency	η _{cell}	22.5 %
Rated voltage	V _{MPP}	33.9 V
Open circuit voltage	V _{OC}	41 V
Rated current	I _{MPP}	8.74 A
Short circuit current	I _{SC}	9.21 A
Fill factor	FF	78.5 %
System voltage	V _{sys}	1000 V
Overcurrent protection	OCP	15 A
Current temperature coefficient	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 61730 IEC 62716 IEC 61701 IEC 62804 EN 14449 EN 12600 EN 12543	
Factory quality certificates	ISO 9001 ISO 14001 ISO 50001 ISO 45001	
LID	<3%	
Power warranty	12 years - 10% 25 years - 17 %	
Product warranty	10 years	



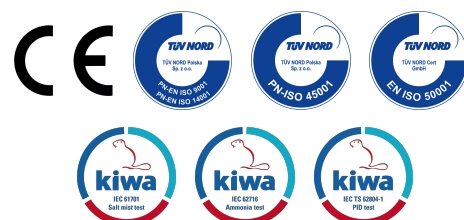
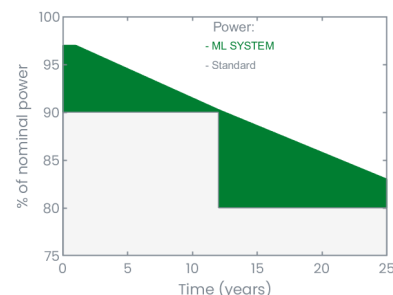
Irradiation characteristics



Temperature characteristics



Power warranty



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

ML SYSTEM S.A. 36-062 Zaczernie, Zaczernie 190G, Poland

WWW.MLSYSTEM.PL