

SERIES: ML-S6MF/TI-310-60/0593

PHOTOVOLTAIC MODULE

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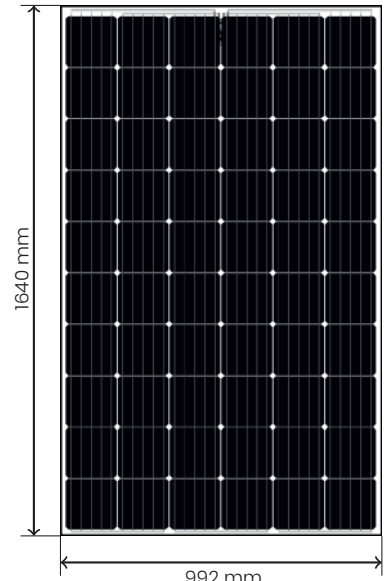
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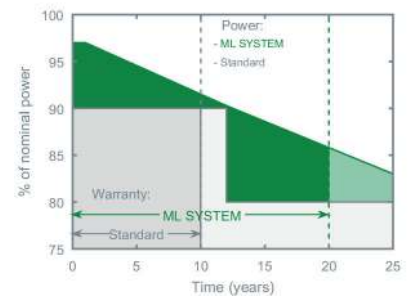
MECHANICAL PARAMETERS	
Monocrystalline solar cells	60 front contact cells, busbar no.: 5 Size: 156.75x156.75±0.5 mm
Cell color	dark blue
Front cover	tempered glass 3.2 mm
Rear cover	backsheet
Encapsulant	EVA
Frame type	aluminium
Frame height	35±5 mm
Dimensions	992x1640±5 mm
Weight	18±0.5 kg
Junction box	IP67, connector MC-4

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

ELECTRICAL PARAMETERS		
MEASURED IN STANDARD TEST CONDITIONS WHERE: IRRADIATION 1000 W/m ² , SPECTRUM AM 1.5, TEMPERATURE 25 °C, TOLERANCE OF ELECTRICAL PARAMETERS ±3%, POSITIVE POWER TOLERANCE +3%		
Rated power	P _{MPP}	310 W
Module efficiency	η _{module}	19.1 %
Rated voltage	V _{MPP}	32.55 V
Open circuit voltage	V _{OC}	40.0 V
Rated current	I _{MPP}	9.56 A
Short circuit current	I _{SC}	9.81 A
System voltage	V _{SYS}	1000 V
Overcurrent protection	OCP	15 A
Current temperature coefficient	TCI	0.05 %/°C
Voltage temperature coefficient	TCV	-0.29 %/°C
Power temperature coefficient	TCP	-0.4 %/°C
Protection class	class II (application class A)	
Compliance with standards	IEC 61215 IEC 62716	IEC 61730 IEC 62804
Factory quality certificates	ISO 9001 ISO 50001	ISO 14001 OHSAS 18001
LID	<3%	
Power warranty	linear, 25 years - 83 %	
Product warranty	20 years	



Power warranty



Certificates



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

ML SYSTEM S.A. 36-063 Zaczernie, Zaczernie 190G

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