



15 YEARS OF INNOVATION

POLISH PRODUCER

# TEKNISKT DATABLAD

  
25 YEARS POWER  
GARANTI

  
SAFETY

  
HIGH QUALITY  
COMPONENTS

  
KRAFTIG  
KONSTRUKTION

  
HÖG EFFIKTIVITET

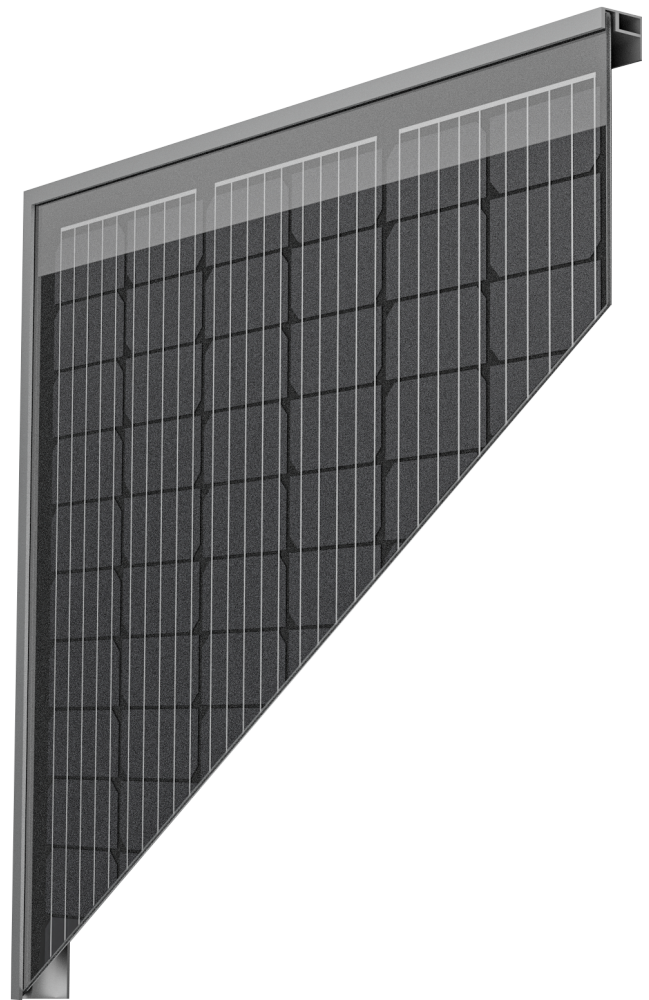
  
REDUCTION OF  
SHADING LOSSES

  
HAGEL MOTSTÅND

**PID**  
PID EFFECT  
MOTSTÅND

  
ENKEL MONTERING

  
100%ELTESTAD



## MONO HALF CUT SOLCELLSPANEL

ML System verksamhets områden:

  
Building  
integrated  
photovoltaics

  
Smart cities

  
New quantum  
era

  
Specialized  
research and  
development  
department

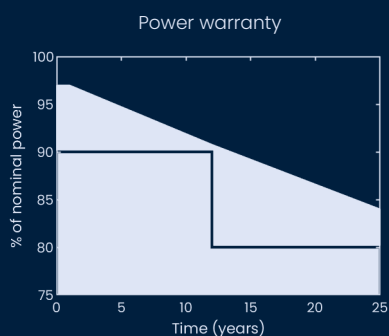
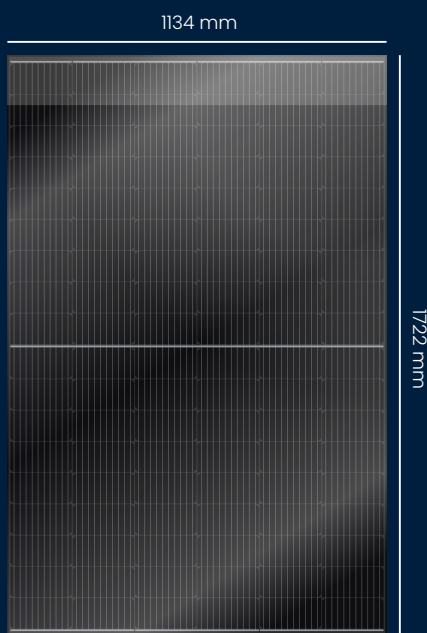
  
Production of  
specialized glass

  
Classic  
photovoltaics



# MONO HALF-CUT SOLCELLSPANEL

TYPE: ML-S7MA/G1-400-108M10  
 SERIES: ML-S7MA/G1-400-108M10/230210001  
 FAMILY : MOF1000



## MATERIAL OCH TEKNISK SPECIFIKATION:

Monokristallin	108 pcs. front-contact busbar: 10 pcs. Mått: 182x91cm±0.5 mm
Färg	black
Front glas	3.2mm Low Iron ARC
Skydd baksida	tedlar
Encapsulant	EVA
Ram	Aluminium
Mått	1134x1722±5 mm
Vikt	21.5±0.5 kg
Kopplings dosa	IP68, connector MC-4 compatible

## OPERATING CONDITIONS

Drift temperatur	-40 to 85 °C
Max belastning snö/vind	5400/2400 Pa
Hagel motstånd	hail: 25 mm, 23 m/s, 7.5 g
Säkerhets klass	class II (application class A)

## ELEKTRISKA SPECIFIKATIONER

NOMINELLA VÄRDEN FÖR STANDARD FÖRHÅLLANDEN 1000 W/m<sup>2</sup>, AM1.5, TEMPERATUR 25°C  
 TOLLERANS FÖR ELEKTRISKA SPECIFIKATIONER 3%, POSITIVE POWER TOLERANCE

Nominell effekt	P <sub>MPP</sub>	400 W
Verkningsgrad	$\eta_{\text{module}}$	20.46 %
Maximal kraftspänning	V <sub>MPP</sub>	30.83 V
Öppen kraftspänning	V <sub>OC</sub>	36.93 V
Maximal uttagsström	I <sub>MPP</sub>	12.98 A
Kortslutningsström	I <sub>SC</sub>	13.76 A
Fyll faktor	FF	79.2 %
System voltage	V <sub>sys</sub>	1500 V
Skyddsvärde	OCP	25 A
Current temperature coef.	TCI	0.048 %/°C
Voltage temperature coef.	TCV	-0.27 %/°C
Power temperature coef.	TCP	-0.35 %/°C

## CERTIFICATES, WARRANTIES

Compliance with standards	IEC 61215, IEC 61730, IEC 62716, IEC 61701, IEC 62804
Factory quality certificates	ISO 9001, ISO 14001, ISO 50001, ISO 45001
Power warranty	12 years - 10%, 25 years - 17%
Product warranty	12 years

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

