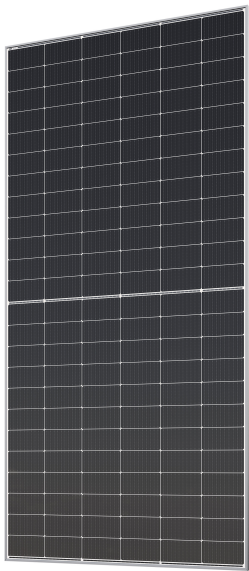


PRODUCT DATASHEET

M 550 P 72 LB -SF-F3-0.3M

PV PANELS P-TYPE BIFACIAL SILVER | PERC bifacial photovoltaic panels with silver frame



SUPERIOR
CLASS

Areas of application

- Outdoor use
- Suitable for various applications (rooftop, wall, ground mounting systems)
- Commercial and industrial

Product benefits

- Durable design and highest quality component selection for long lasting performance
- Better weak illumination response
- HALF-CELL Monocrystalline PERC PV Module
- Bifacial module – dual sided
- Multi Bus Bar technology
- Resistance to power degradation
- 12 years product guarantee
- 30-years linear power guarantee

Product features

- Durable anodized aluminium frame
- 2,0 mm tempered glass with anti-reflective coating
- IP68 junction box
- Wide operating temperature: -40...+85 °C
- Maximum static load up 5400Pa
- MC4 connectors

TECHNICAL DATA

ELECTRICAL DATA STC

Maximum Power Pmax (STC)	550 W
Maximum Power Current Imp (STC)	12.93 A
Short Circuit Current Isc (STC)	13.68 A
Maximum Power Voltage Vmp (STC)	42.54 V
Open Circuit Voltage Voc (STC)	50.34 V
Module efficiency factor (STC)	21.29 %

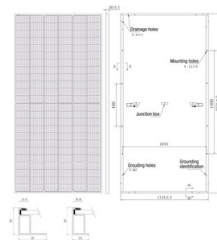
ELECTRICAL DATA NMOT

Maximum Power Pmax (NMOT)	416 W
Maximum Power Current Imp (NMOT)	10.58 A
Short Circuit Current Isc (NMOT)	11.20 A
Maximum Power Voltage Vmp (NMOT)	39.32 V
Open Circuit Voltage Voc (NMOT)	46.82 V

ELECTRICAL DATA STC and NMOT

Power tolerance	3 %
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MECHANICAL DATA



Number of cells	144
Cell material	Mono crystalline
Number of bypass diodes	3
With frame	Yes
Type of connection	Staubli MC4 EVO2
Width	1134 mm
Length	2278 mm
Height	30 mm
Product weight	31700.000 g
Cable length	0.3 m

Glass with anti-reflection coating	Yes
Colour backsheet	White
Colour cells	Dark blue
Colour frame	Silver
Front Glass	Yes

TEMPERATURE RATINGS

Nominal operating cell temperature	44 °C
Temperature coefficient I _{sc}	0.050 %/K
Temperature coefficient P _{mpp}	-0.350 %/K
Temperature coefficient U _{oc}	-0.275 %/K

OPERATING CONDITIONS

Maximum series fuse rating	25 A
Temperature range in operation	-40...+85 °C
Front Side Maximum Static Loading	5400 Pa
Rear Side Maximum Static Loading	2400 Pa
Reverse current load	25 A

DOWNLOAD DATA

Documents and certificates



User instruction



Declarations Of Conformity CE



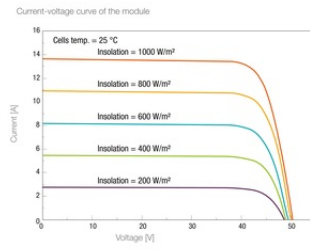
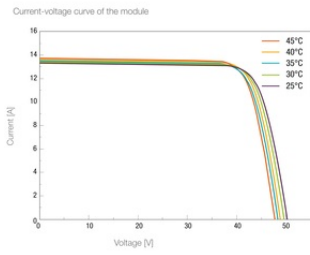
Product Family Datasheet

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854177279	Shipping box 36	2,320 mm x 1,135 mm x 1,140 mm	1152760.00 g	3001.85 dm ³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION



DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.