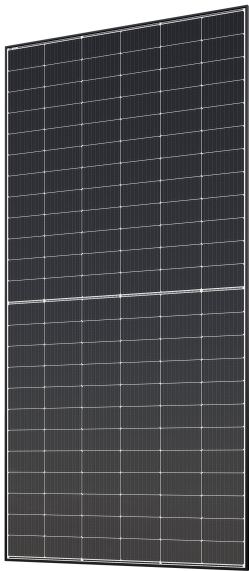


# PRODUCT DATASHEET

## M 550 P 72 LB -BF-F7

PV PANELS P-TYPE BIFACIAL BLACK | PERC bifacial photovoltaic panels with black frame



---

### Areas of application

- Utility installations
- Commercial and industrial installations
- Residential installations

---

### Product benefits

- 25-years of product guarantee, 30-years of linear power output guarantee
- Limited PID-effect (potential induced degradation) thanks to strict quality control in production process
- Very low yearly degradation of the cells thanks to the better resistance to high temperatures
- Durable design and highest production standards guarantees operational reliability and quality

---

### Product features

- Bifacial - both sides of the panel are absorbing the light
- Original Stäubli MC4 EVO 2 connectors
- Available in a long cable version
- Frame made of anodized aluminum alloy
- Multi-bus bar (MBB) technology
- Maximum static load up to 5400 Pa

## TECHNICAL DATA

### ELECTRICAL DATA STC

Maximum Power Pmax (STC)	550 W
Maximum Power Current Imp (STC)	13.10 A
Short Circuit Current Isc (STC)	14.02 A
Maximum Power Voltage Vmp (STC)	41.97 V
Open Circuit Voltage Voc (STC)	49.91 V
Module efficiency factor (STC)	21,29 %

### ELECTRICAL DATA NMOT

Maximum Power Pmax (NMOT)	416 W
Maximum Power Current Imp (NMOT)	10.55 A
Short Circuit Current Isc (NMOT)	11.18 A
Maximum Power Voltage Vmp (NMOT)	39.44 V
Open Circuit Voltage Voc (NMOT)	46.68 V

### ELECTRICAL DATA STC and NMOT

Power tolerance	3 %
-----------------	-----

### MECHANICAL DATA

Type of Faciality	Bifacial
Cell material	Mono crystalline
Number of cells	144
Number of bypass diodes	3
With frame	Yes
Type of connection	Staubli MC4 EVO2
Width	1134 mm
Length	2278 mm
Height	35 mm
Product weight	31000.000 g
Cable length	1.4 m
Glass with anti-reflection coating	Yes
Colour cells	Dark blue
Colour frame	Black
Front Glass	Yes

### TEMPERATURE RATINGS

Nominal operating cell temperature	45 °C
Temperature coefficient Isc	0.045 %/K
Temperature coefficient Pmpp	-0.350 %/K

Temperature coefficient Uoc	-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

## EQUIPMENT / ACCESSORIES

- Product is delivered as a whole, no assembly required from customer
- MC4 EVO 2 connectors are fitted to the panel
- 3 bypass diodes are already installed in the panel

## DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	PV MODULE
	Declarations of conformity	CE Certificate PV Panels

## References / Links

- For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

## DISCLAIMER

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