

## Professional Glass / Glass M 108 490 - 500 WP

Back Contact Technology



**Excellent performance even  
in partial shade**



**Back contact technology**



**Snow load 5,400 Pa**



**EUPD RESEARCH**  
**TOP BRAND PV**  
MODULE  
DEUTSCHLAND  
**2024**

### Sophisticated design with high performance

2 x 2 mm thick, hardened and  
scratch-resistant solar glass

### Performance-optimized module design

PID-free monocrystalline  
high-performance cells

### Highest standards in production and quality assurance

Manufactured in accordance with  
ISO 9001:2015  
ISO 14001:2015  
ISO 45001:2018  
ISO 50001:2018

### Industry-leading warranty<sup>1</sup>

30-year linear  
performance guarantee

Protection of cells against  
microcracks through double  
glass composite

Anti-reflective coated  
solar glass

PV module design certification  
in accordance with IEC 61215:2021<sup>3</sup>

25-year  
product guarantee

Easy to install,  
safe in operation

Optimized for low  
light conditions

PV module Safety certification in  
accordance with IEC 61730:2018<sup>3</sup>

Excellent mechanical load values,  
compressive load up to 5,400 Pa<sup>2</sup>

Positive classification  
-0/+4.99 Wp

Ammonia corrosion resistant  
in accordance with IEC 62716:2013<sup>3</sup>

Hail class HW 3

<sup>1</sup> For detailed information, please refer to the warranty conditions of CS Wismar GmbH.

<sup>2</sup> For detailed test loads, see reverse side.

<sup>3</sup> Subject to recertification.

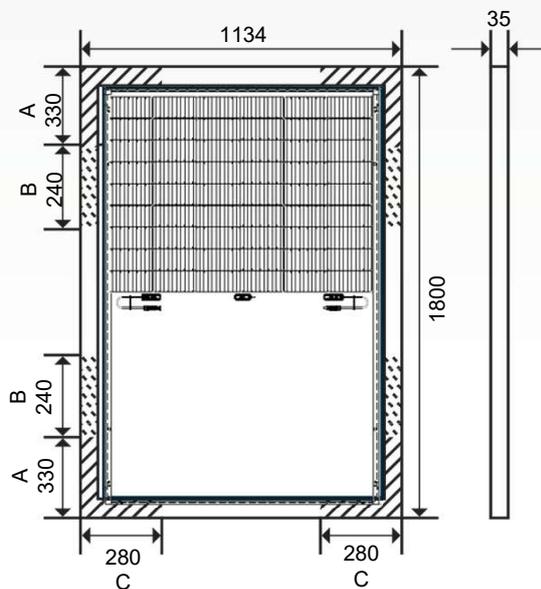
**Performance STC**

Under standard test conditions STC:  
1000 W/m<sup>2</sup>; spectrum AM 1.5;  
cell temperature 25°C  
Measurement tolerances STC:  
P<sub>mpp</sub>±3%; I<sub>sc</sub>±5%; U<sub>oc</sub>±5%

Nominal power P <sub>mpp</sub> (W <sub>p</sub> )	490	495	500
Open circuit voltage U <sub>oc</sub> (V)	40,74	40,85	40,96
Voltage U <sub>mpp</sub> (V)	33,73	33,84	33,95
Short circuit current I <sub>sc</sub> (A)	15,18	15,28	15,38
Current I <sub>mpp</sub> (A)	14,53	14,63	14,73
Efficiency $\eta$	24,0	24,3	24,5

**Other technical specifications**

Max. system voltage	1500 V
Weight	25.0 ±0.5 kg
Reverse current carrying capacity IR	30 A
Connection box	IP68
Plug connector	MC4-EVO2A
Cable length	2 x 1,20 m
Fire protection class	Class C
Design load: Snow	5,400 Pa *
Maximum test load	8,100 Pa
Design load: Wind	2,400 Pa *
Maximum test load	3,600 Pa
External dimensions	1800 x 1134 x 35 mm


**Approved clamping area:**

-  Area A: pressure 2400Pa / suction 2400Pa
-  Area B: pressure 5400Pa / suction 2400Pa
-  Area C: pressure 3600Pa / suction 2400Pa

**Thermal properties**

TC P <sub>mpp</sub>	-0.26 %/K
TC U <sub>oc</sub>	-0.20 %/K
TC I <sub>sc</sub>	0.050 %/K
NMOT	45 +/- 2 °C

**Used materials**

Number of cells	108 half-cut cells
Cell type	Monocrystalline
Glass	2 x 2 mm solar glass
Frame	Anodized aluminum

