

Professional 72

Polycrystalline, 300 – 320 Wp

Powerful. Attractive. Versatile.

Flexible and simple installation:

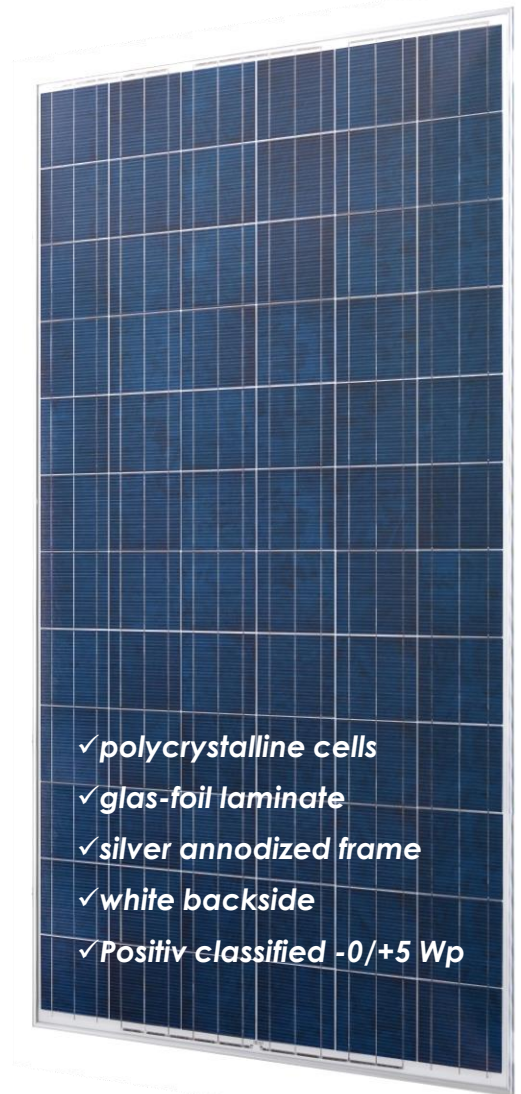
- ✓ Vertical, horizontal and upside-down installation possible
- ✓ Optimized for open space systems

Optimized for power:

- ✓ Anti-reflective glass ensures high yields even under diffuse irradiation
- ✓ Positive power classification
- ✓ 100% PID safe

Warranty and safety:

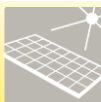
- ✓ Manufactured in the CS Wismar factory, certified in accordance with DIN EN ISO 9001:2008, ISO 14001:2009 and OHSAS 18001:2007
- ✓ Salt spray corrosion testing according to IEC 61701
- ✓ Ammonia resistance testing according to IEC 62716
- ✓ 10-year product warranty *
- ✓ 26-year linear performance guarantee



- ✓ **polycrystalline cells**
- ✓ **glas-foil laminate**
- ✓ **silver annodized frame**
- ✓ **white backside**
- ✓ **Positiv classified -0/+5 Wp**

* For detailed information, please consult the CS-Wismar GmbH warranty conditions





Performance under STC*

Module type	Professional 72 300P72	Professional 72 305P72	Professional 72 310P72	Professional 72 315P72	Professional 72 320P72
Nominal power (P_{mpp})	300 W	305 W	310 W	315 W	320 W
Open-circuit voltage (U_{oc})	45.19 V	45.27 V	45.36 V	45.45 V	45.57 V
Voltage (U_{mpp})	35.63 V	35.80 V	35.96 V	36.12 V	36.29 V
Current (I_{mpp})	8.46 A	8.54 A	8.63 A	8.73 A	8.82 A
Short-circuit current (I_{sc})	9.02 A	9.08 A	9.15 A	9.21 A	9.28 A
Efficiency η	15,3%	15.6 %	15.8 %	16.1 %	16.4 %

*Under Standard Test Conditions (STC) (1,000 W/m², spectrum AM 1.5, cell temperature 25°C), measurement tolerances STC: $\pm 3\%$ (P_{mpp}); $\pm 10\%$ (I_{sc} , U_{oc} , I_{mpp} , U_{mpp})

Power at 800 W/m², NOCT, AM 1.5

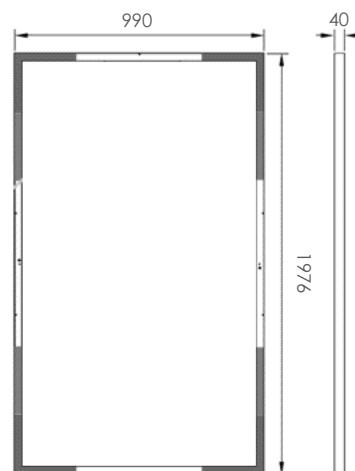
Module type	Professional 72 300P72	Professional 72 305P72	Professional 72 310P72	Professional 72 315P72	Professional 72 320P72
Nominal power (P_{mpp})	221.15 W	224.47 W	227.67 W	231.30 W	234.68 W
Short-circuit current (I_{sc})	7.27 A	7.32 A	7.38 A	7.43 A	7.48 A
Open-circuit voltage (U_{oc})	41.43 V	41.50 V	41.58 V	41.67 V	41.77 V
Voltage (U_{mpp})	32.86 V	33.01 V	33.14 V	33.28 V	33.43 V
Current (I_{mpp})	6.73 A	6.80 A	6.87 A	6.95 A	7.02 A

Thermal properties

TC P_{mpp}	-0.43 %/K
TC U_{oc}	-0.35 %/K
TC I_{sc}	0.03 %/K
NOCT	46 +/- 2 °C

Other technical specification

Positive power classification	-0/+4.99 W
Max. system voltage	1000 V
Weight	26 \pm 0.5 kg
Reverse current load IR	15 A
Junction box	IP 65
Frame height	40 mm
Bypass diodes in connector	3 pcs



Measurements in mm