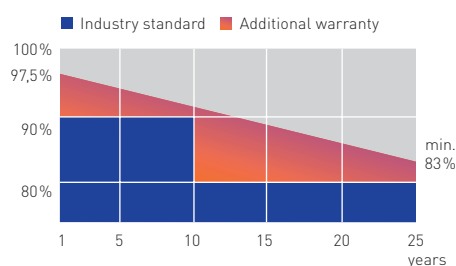


JONSOL
JSGM156
605-625W
MONO
NTOP



The high quality and reliability of JONSOL are based on many years of production and industry experience, a mature module design and the automatic production process. The result is guaranteed high-performance JONSOL modules.

The monocrystalline JONSOL NTOP module of the Half Cell series consists of 156 half cells. Thanks to the better temperature coefficient, the N-Type TOPCon technology delivers the highest efficiencies and is and is therefore particularly suitable for limited areas.

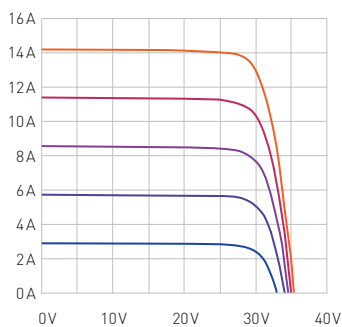


JONSOL quality features JSGM156 182 NTOP

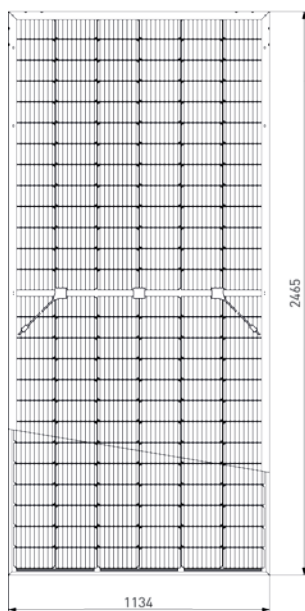
- Module efficiency up to 22.36 percent
- Monocrystalline high-performance solar cells
- Structured special glass
- Fully automatic production lines
- Certification according to IEC 61215, EN IEC 61730
- Comprehensive quality controls
- 100 % electroluminescence test
- IP67 junction box for safety and long-term weather resistance
- Plus sorting up to 3 percent for a higher yield at the same price

*Linear performance guarantee

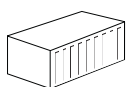
JONSOL JSGM156 605-625W MONO NTOP



■ 1000 W/m² ■ 600 W/m² ■ 200 W/m²
■ 800 W/m² ■ 400 W/m²



Modules per pallet:
36 pcs.



Paletts // modules per container:
16 pcs. // 576 pcs.

Technical data (STC)

Nominal power (Pmax)	605 W	610 W	615 W	620 W	625 W
Nominal voltage (Vmp)	45.43	45.61	45.78	45.94	46.12
Nominal current (Imp)	13.33	13.39	13.45	13.51	13.57
Open circuit voltage (Voc)	54.7	54.9	55.1	55.2	55.3
Short-circuit current (Isc)	13.98	14.04	14.10	14.17	14.25
Efficiency	21.64 %	21.82 %	22.00 %	22.18 %	22.36 %
Permitted operating temperature	-40°C - +85°C				
Maximum system voltage	1500 V				
Protection class	II				
Fire Safety Class (UL)	A				
Reverse Current Capability (I _R)	30 A				
Power tolerance (W)	0 - +3 %				

Measurement tolerances P_{mp} ± 3 %, I_{sc} & U_{oc} ± 3 % at STC: 1000 W/m², 25 ± 2 °C, AM 1.5 according to IEC 60904-3 // NMOT: 800 W/m², AM 1.5

Technical data (NMOT)

Nominal power (Pmax)	455 W	459 W	462 W	466 W	470 W
Nominal voltage (Vmp)	42.25	42.42	42.58	42.72	42.89
Nominal current (Imp)	10.80	10.85	11.38	11.44	11.50
Open circuit voltage (Voc)	52.40	52.59	52.79	52.88	52.98
Short-circuit current (Isc)	11.28	11.33	11.38	11.44	11.50

Temperature coefficient (STC)

Temperature coefficient (Pmax)	-0.25 %/K
Temperature coefficient (Voc)	-0.29 %/K
Temperature coefficient (Isc)	0.045 %/K

Standard temperature at normal operating conditions (NOCT) 42 +/- 3°C

Mechanical data

Cell Type	monocrystalline, 156 half cells 182 x 91 mm
Module size (L x B x H)	2465 x 1134 x 30/35 mm
Weight	34.6 kg
Front cover	Solar glass 2 mm / 1.6 mm, tempered, AR coated
Back cover	Solar glass 2 mm / 1.6 mm, tempered, AR coated
Frame	anodized aluminum alloy
Junction Box	IP68, 3 diodes
Cable	4 mm ² , ≥ 1.2 m, IP68
Connector	MC4 or comparable to MC4, IP68
max. mechanical load	Tensile load: 2400 Pa, Pressure load: 5400 Pa

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