

JONSOL

JSBCGM108

485-500W

JONSOL quality features



30-Year German Warranty

30-year product warranty, 30-year linear performance warranty



Panel efficiency up to 24.5 %



Snow load tested up to 8,000 Pa



Excellent low-light performance



Extra-strong glass



Bifacial



Plus sorting up to 3 %



Insured under the Product Liability Law
(ProdHaftG)

JONSOL quality concept

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.



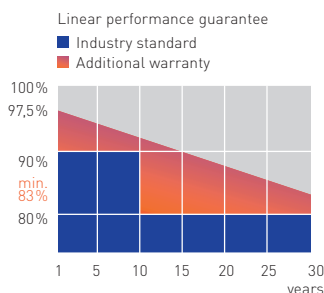
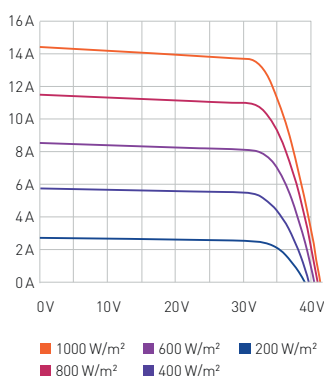
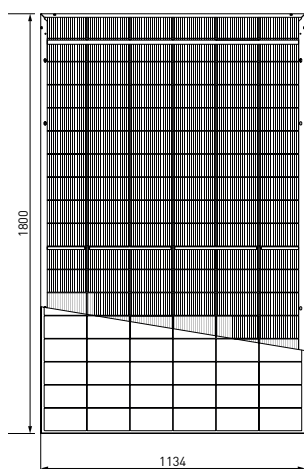
- **Back-Contact Technology**
- **100 % active cell front**
- **Maximum power output**
- **EXTRA BLACK design highlight**
- **Improved temperature stability**

Jonsol BC (back-contact) modules set new standards in performance and quality and offer the highest efficiency in their category. Back-contact technology maximizes the active surface area of the cells, resulting in superior energy conversion. Combined with excellent performance in low-light conditions, they deliver higher energy yields over the entire service life. This makes them the ideal choice for high-quality, sustainable PV systems over their entire life cycle.

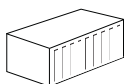
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Modules
per pallet:
37 pcs.



Pallets // modules
per container:
24 pcs. // 888 pcs.

Technical data

	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Nominal power (P _{max})	485 W	369 W	490 W	373 W	495 W	377 W	500 W	381 W
Nominal voltage (V _{mp})	35.24	32.08	35.34	32.18	35.44	32.28	35.54	32.38
Nominal current (I _{mp})	13.77	11.51	13.88	11.60	13.98	11.69	14.08	11.78
Open circuit voltage (V _{oc})	40.54	38.08	40.64	38.18	40.74	38.28	40.84	38.38
Short-circuit current (I _{sc})	14.88	12.18	14.98	12.24	15.08	12.30	15.18	12.36
Efficiency	23.8 %		24.0 %		24.3 %		24.5 %	
Permitted operating temperature	-40° C - +85° C							
Maximum system voltage	1500 V							
Protection class	II							
Fire Safety Class (UL)	C							
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

Rear side power gain (BiF only)

Maximum Power (P _{max})	5 %	510 W	515 W	520 W	525 W
Module Efficiency STC	5 %	24.99 %	25.20 %	25.52 %	25.73 %
Maximum Power (P _{max})	15 %	558 W	564 W	570 W	575 W
Module Efficiency STC	15 %	27.37 %	27.60 %	27.95 %	28.18 %
Maximum Power (P _{max})	25 %	607 W	613 W	619 W	625 W
Module Efficiency STC	25 %	29.75 %	30.00 %	30.38 %	30.63 %

Temperature coefficient (STC)

Temperature coefficient (P _{max})	-0.26 %/°C
Temperature coefficient (V _{oc})	-0.22 %/°C
Temperature coefficient (I _{sc})	0.05 %/°C

Standard temperature at normal operating conditions (NOCT) 45 +/-2°C

Mechanical data

Cell Type	monocrystalline, 108 half cells
Module size (L x B x H)	1800 x 1134 x 30 mm
Weight	24.8 kg
Front cover	Solar glass 2 mm, tempered, AR coated
Back cover	Solar glass 2 mm
Frame	anodized aluminum alloy
Junction Box	IP68, 3 diodes
Cable	4 mm², 1.0 m
Connector	MC4 or comparable to MC4, IP68
max. mechanical load	Tensile load: 2400 Pa, Pressure load: 5400 Pa

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