

20 YEARS
PRODUCT
GUARANTEE

25 YEARS
PERFORM.*
GUARANTEE

JONSOL

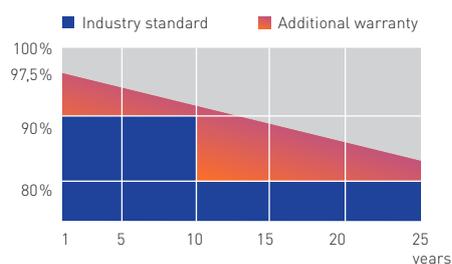
JSM144

390-415W

MONO

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 module of the Half Cell Series consists of 144 half cells. It delivers high power ratings and higher levels of efficiency and is therefore particularly suitable for limited areas and roof installations. The partial shading yield is increased thanks to the half cells.



JONSOL quality features JSM144 158B9

- Module efficiency up to 20.42 percent
- Monocrystalline high-performance solar cells
- Structured special glass
- Fully automatic production lines
- Certification according to IEC
- 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

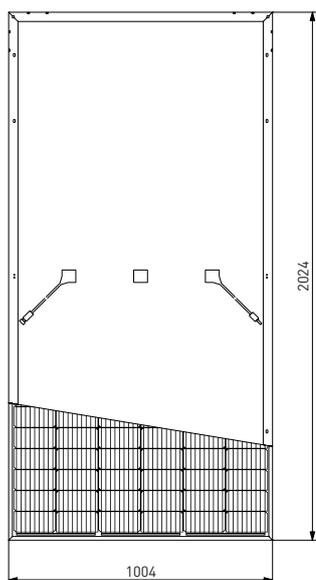
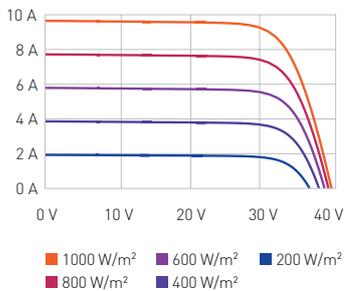
*Linear performance guarantee

JONSOL

JSM144

390-415W

MONO



Technical data (STC)

	Module Type					
Nominal power (Pmax)	390 W	395 W	400 W	405 W	410 W	415 W
Nominal voltage (Umpp)	41.01 V	41.67 V	41.97 V	42.28 V	42.58 V	42.87 V
Nominal current (Impp)	9.48 A	9.51 A	9.53 A	9.58 A	9.63 A	9.68 A
Open circuit voltage (Uoc)	49.12 V	49.90 V	50.27 V	50.63 V	50.99 V	51.34 V
Short-circuit current (Isc)	10.45 A	10.46 A	10.47 A	10.48 A	10.49 A	10.50 A
Efficiency	19.19 %	19.44 %	19.68 %	19.93 %	20.18 %	20.42 %
Operation temperature	-40° C - +85° C					
Maximum system voltage	1000 V					
Fire Safety Class	Class A					
Reverse current capability	20 A					
Application classification	A					
Power tolerance (W)	0 - +3 %					

Mechanical data

Tkoeff_P	-0.37 %/° C
Tkoeff_U	-0.29 %/° C
Tkoeff_I	0.050 %/° C
NOCT	43 +/-2° C

Mechanische Daten

Technology	monocrystalline
Size of cells	6 inch (158.75 x 158.75 mm)
Number of cells	144 half cells
Module size (L x W x H)	2024 x 1004 x 40 mm
Weight	22.8 kg
Front/rear glass	3.2 mm, hardened
Frame	anodized aluminum alloy
Junction Box	IP67, 3 diodes
Cable	4 mm ²
Connector	MC4 compatible

Packing units

Pieces per pallet	27 pcs
Pallets per 40' HC ctn	22 pcs
Total pcs	594 pcs

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