

20 YEARS  
PRODUCT  
GUARANTEE

25 YEARS  
PERFORM.\*  
GUARANTEE

## **JONSOL**

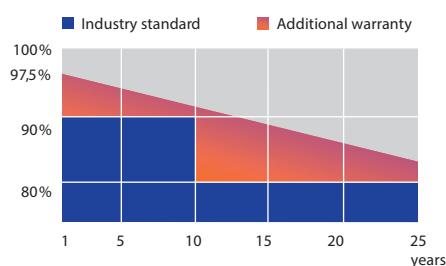
### **JSM144**

### **530-550W**

### **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.



\*Linear performance guarantee

#### **JONSOL quality features JSM144 182B9**

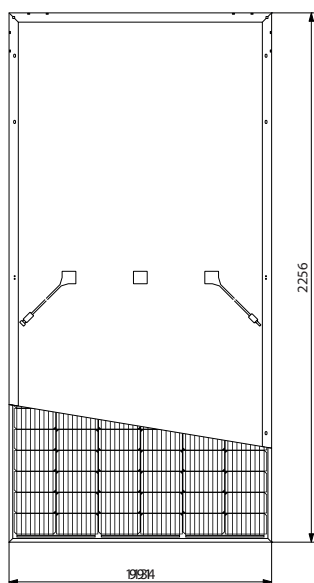
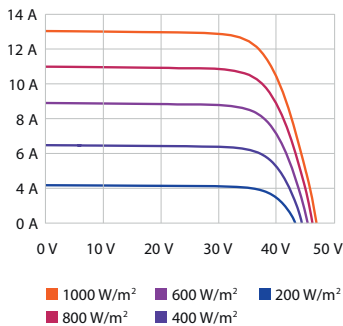
- Module efficiency up to 21.5 percent
- Monocrystalline high-performance solar cells
- Structured special glass
- Fully automatic production lines
- Certification according to IEC
- Comprehensive quality controls
- 100 % electroluminescence test
- IP67 junction box for safety and long-term weather resistance
- Plus sorting up to 3 percent for a higher yield at the same price

# JONSOL

## JSM144

### 530-550W

### MONO



#### Technical data (STC)

	Module Type				
Nominal power (Pmax)	530 W	535 W	540 W	545 W	550 W
Nominal voltage (Umpp)	40.74 V	40.88 V	41.01 V	41.15 V	41.28 V
Nominal current (Impp)	13.01 A	13.09 A	13.17 A	13.24 A	13.32 A
Open circuit voltage (Uoc)	49.26 V	49.40 V	49.53 V	49.67 V	49.80 V
Short-circuit current (Isc)	13.96 A	13.77 A	13.85 A	13.93 A	14.01 A
Efficiency	20.8 %	21 %	21.2 %	21.3 %	21.5 %
Operation temperature	-40°C - +85°C				
Maximum system voltage	1500 V				
Fire Safety Class	Class A				
Reverse current capability	25 A				
Application classification	A				
Power tolerance (W)	0 - +3 %				

#### Mechanical data

Tkoeff_P	-0.35 %/°C
Tkoeff_U	-0.27 %/°C
Tkoeff_I	0.048 %/°C
NOCT	43 +/-2°C

#### Mechanische Daten

Technology	monocrystalline
Size of cells	182 x 91 mm
Number of cells	144 half cells
Module size (L x W x H)	2256 x 1134 x 35 mm
Weight	27.2 kg
Front/rear glass	3.2 mm, hardened
Frame	anodized aluminum alloy
Junction Box	IP67, 3 diodes
Cable	4 mm <sup>2</sup>
Connector	MC4 compatible

#### Packing units

Pieces per pallet	31 pcs
Pallets per 40' HC ctn	20 pcs
Total pcs	620 pcs

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