

# AW583

## Warranty

- 2 years Manufacturer warranty
- Warranty on Electrical Performance :  
5 years 80% of power output

## Manufacturing

- Original cell sorting system ensures the best electric cell match
- EL-Testing before packing
- Comprehensive module power testing

## Performance

- High module conversion efficiency
- High-quality cells lower series resistance and reduce power degradation
- Internal aluminum sheet improves the durability by decreasing the risk of micro-cracks on cells
- IP67 rated junction box, reliable cables and standard MC4 connectors improve the stability



## Mechanical Data

(Test Condition: AM=1.5, E=1000W/m<sup>2</sup>, Tc=25°C)

Nominal Power	100W
Cell Type	Monocrystalline
Number of diodes	One
Maximum Power Current (Imp)	5,04A
Maximum Power Voltage (Vmp)	19,86V
Open-circuit Voltage (Voc)	23,70V
Short-circuit Current (Isc)	5,34 A
Maximum System Voltage	1000 V
Output Tolerance	+3%
Cable	500mm / 2.5mm <sup>2</sup>
Connector Type	MC4 / MC4 Compatible
Module Structure	Aluminum Frame / Glass / EVA
Junction box rating	≥IP67
Cell Efficiency	18,92%
Working Temperature	-40°C~+80°C

## Packaging

Module Dimensions	1080*510*30mm
Module Weight	6,30 kg
Package	Single Package

## Contact information

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