

# EL<sup>®</sup>MARK

The Brand of Electricity

MONOCRYSTALLINE HALF-CUT CELL  
SOLAR PANEL 560W, RESUN



Solar panel Resun 560W is a robust solar module with 144 solar cells. These modules can be used for on-grid solar application. Resuns meticulous design and production techniques ensure a high yield, long-term performance for every solar plant. Resuns rigorous quality control and in-house testing facilities guarantee solar modules meet the highest quality standard possible

**Catalogue number: 98SOL560M**

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### SPECIFICATION:

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- Peak power (Pmax): 560W
  - Maximum supply voltage (Vmp): 42,40V
  - Maximum power current (Imp): 13,21A
  - Open circuit voltage (Voc): 50.60V
  - Short-circuit current (Isc): 13,99A
  - Module efficiency (%): 21.66
  - Annual degradation: ≤ 0,5%
  - First year degradation: ≤ 0,5%
  - Maximum system voltage (V): 1500 VDC
  - Rated operating temperature of the module: 45±2°C
  - Cell type: Mono-crystalline
  - Distribution box on the panel: IP68
  - Connector: Compatible with MC4
  - Frame material: Anodised aluminum alloy type
  - Number of cells: 144 cells (6x12+6x12)
  - Frame material: Anodised aluminum alloy type
  - Maximum load: 5400 Pascal
  - Maximum snow load: 5400 Pascal
  - Maximum wind load: 2400 Pascal
  - Dimensions HxWxD: 2279x1134x35mm
  - Weight (kg): 29
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### TEMPERATURE CHARACTERISTICS:

- Nominal Module Operating Temperature (NMOT):  $45^{\circ}\text{C} \pm 2^{\circ}\text{C}$
- Temp. Voc coefficient (TK Voc):  $-0,32\% / ^{\circ}\text{C}$
- Temp. Isc coefficient (TK Isc):  $0,05\% / ^{\circ}\text{C}$
- Temp. Coefficient of Pmax (TK Pmax):  $-0,37\% / ^{\circ}\text{C}$
- Ambient temperature:  $-40^{\circ}\text{C} + 85^{\circ}\text{C}$

### ADVANTAGES OF HALF CELL SOLAR PANELS:

- It is superior in low sunlight performance.
- It is not affected by shade as much as standard panels.
- It is more durable for long life performance
- It is less susceptible to micro cracking. (cracks that develop in cells over time)
- They perform better under high heat conditions than standard solar panels.
- They are less susceptible to hot spots, a major cause of panel failure.
- They are much higher efficiency than standard panels.

FULL  
WARRANTY | 15  
YEARS

PANEL  
LIFETIME | 30  
YEARS

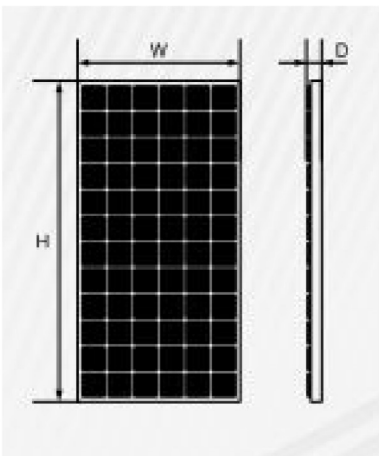
EFFICIENCY 21.66%

# TECHNICAL SPECIFICATION

## SOLAR PANELS

### DIMENSIONS:

- **Hight:** 2297mm
- **Width:** 1134mm
- **Deep:** 35mm



Catalogue number	Barcodes
98SOL560M	3800131258090

