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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

SPECIFICATION:

- 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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TECHNICAL SPECIFICATION

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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

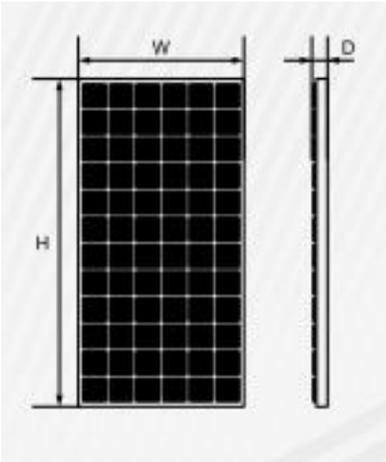
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DIMENSIONS:

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



Catalogue number	Barcodes
98SOL560M	3800131258090

