

# EXILES

## EXL-S8512

**Photovoltaic Module**  
**Mono-crystalline**  
**High Quality**



· Periodic inspection  
· Qualified, IEC 61215  
· Safety tested,  
TUV-Spec  
931/2.572.9



### Feature

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1. Bypass diode minimizes the power drop by shade
2. The conversion efficiency of solar cell is above 15%
3. White tempered glass, EVA resin, weather proof film and anodized aluminium frame provide efficient protection from the severest environmental conditions
4. Waterproof (UL94,V-O)connector provide nominal 12V DC output . Perfect for grid applications
5. Product guarantee 5 years

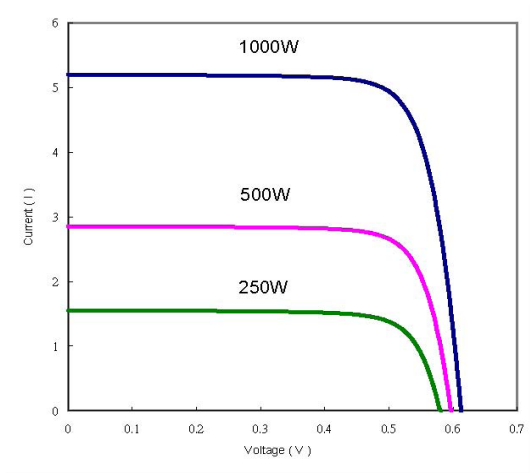
### SPECIFICATION

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Type Of Module	85W
Maximum Power [W]	85
Tolerance [%]	+/- 5%
Open circuit Voltage [V]	22
Short circuit Current [A]	5.1
Maximum Power Voltage [V]	18.2
Maximum Power Current [A]	4.7
Module Efficiency [%]	12.8
Solar Cell Efficiency [%]	15.7
Series Fuse Rating [A]	10
Terminal Box	IP65
Maximum System Voltage [V]	DC1000
Operating Temperature [OC]	-40 to 85

## Electrical Characteristics

Current-Voltage characteristics of cells at various irradiance levels



### Electric Performance Typical Performance Characteristics

Short Circuit Current Temperature Coefficient	mA/OC	2.5
Open Circuit Voltage Temperature Coefficient	V/OC	-0.147
Maximum Power Temperature Coefficient	%/OC	-0.4

### Performance Warranty

90%output - 12 Years  
80%output - 25 Years

## Quality Assurance

1. Electrical insulation test.
2. Outdoor exposure test.
3. Hot-spot endurance test.
4. UV-exposure according IEC 61345
5. Thermal cycling test.
6. Humidity freeze test.
7. Damp heat test.
8. Robustness of terminations test.
9. Wet leakage current test.
10. Mechanical load test.
11. Hail impact test.
12. Bypass diode thermal test.

## Physical Specifications

### Loading Capacity

1512pcs/40ft Container  
672pcs/20ft Container

### Packing

14pcs/1 carton  
2pcs/ 1 carton  
1pcs/ 1 carton

### Dimension:

Length: 1206mm/47.48in  
Width: 552mm/21.73in  
Depth: 35mm/1.38in  
Weight: 8.5 kg/pcs

