

Viatronics – 90W Solar Panel

Key Benefits:

- Exceptional low-light performance across entire solar spectrum
- Low voltage-temperature coefficient for high-temperature operation
- High performance bypass diodes minimize power drop from shading
- 25-year limited warranty on power output and performance
- Professional-grade solar panel for demanding applications
- Robust construction for long-term outdoor installation

Additional Information:

- Advanced EVA (Ethylene Vinyl Acetate) encapsulation system
- Triple-layer back sheet meets stringent safety requirements
- High-transmission tempered glass for enhanced stiffness
- Sturdy anodized aluminium frame for easy roof mounting
- Compatible with variety of standard mounting systems
- Sealed waterproof multi-functional junction box
- Series 4a configuration with 36 cells
- 5-year limited warranty on materials and workmanship
- Suitable for 12V battery systems

Technical Specifications:

Feature	Value/Description
Product Number	VT-SP-90
Nominal Power	90W ($\pm 3\%$ tolerance)
Cell Type	Polycrystalline silicon
Number of Cells	36 cells in series
Dimensions	Length: 780mm Width: 668mm Thickness: 30mm
Weight	6.1 kg
Max Power Voltage (VMPP)	19.5V
Max Power Current (IMPP)	4.61A
Open Circuit Voltage (Voc)	23.44V
Short Circuit Current (Isc)	4.98A
Maximum System Voltage	1000V
Temperature Coefficient PMPP	-0.45%/°C
Temperature Coefficient Voc	-0.35%/°C
Temperature Coefficient Isc	+0.04%/°C
Operating Temperature	-40°C to +85°C
Surface Load Capacity	200 kg/m ²
Hail Resistance	23 m/s, 7.53g
Junction Box Type	PV-LH0806
Cable/Connector	900mm cable with MC4 connectors
Frame Material	Anodized aluminium
Front Glass	High-transmission tempered glass
Encapsulation	EVA (Ethylene Vinyl Acetate)
Back Sheet	Triple-layer protection
Certifications	CE compliant
Product Warranty	5 years
Performance Warranty	10 years: 90% output 25 years: 80% output
Applications	- Off-grid solar systems - RV and marine installations - Remote power systems - Battery charging systems - Backup power solutions
Test Conditions	STC: 1000 W/m ² , 25°C, AM 1.5