

Product Datasheet

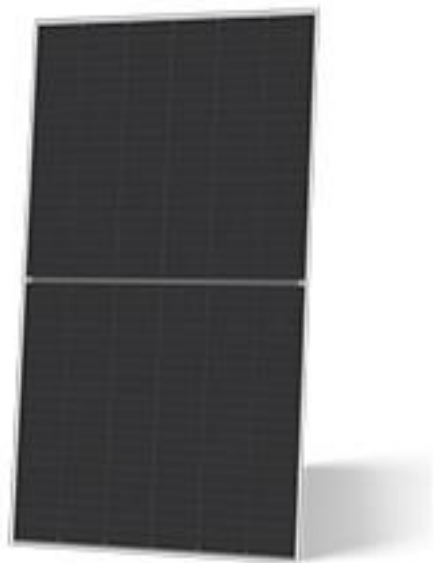
Solar Panel

Description

VOLTARIX Solar Modules integrate world-class JinkoSolar N-Type TOPCon technology to deliver unmatched efficiency, reliability, and durability for both residential and commercial applications.

With output capacities ranging from 495 W to 670 W, our panels provide superior energy yield, minimal degradation, and long-term stability under extreme environmental conditions.

Available in mono-facial dual glass and bifacial configurations, VOLTARIX modules are designed to seamlessly integrate with our battery storage systems and hybrid inverters, providing a complete, high-performance clean energy solution.



Key Features

- **Advanced N-Type TOPCon Technology:** Higher conversion efficiency, lower LID/LeTID, and improved long-term stability.
- **High Power Output:** Ranging from **495 W to 670 W**, enabling greater energy generation per unit area.
- **Bifacial Energy Gain (for 66QL6-BDV):** Up to **85 ± 5 % bifaciality**, producing additional rear-side energy and higher yield.
- **Dual Glass Design:** Enhanced durability, improved PID resistance, and better protection against microcracks and humidity.
- **Optimized Temperature Coefficient:** Excellent heat resistance for consistent performance in hot climates.
- **Proven Low-Light Performance:** Superior energy capture in early morning, late evening, or cloudy conditions.
- **Mechanical Load Strength:** Certified to withstand **5,400 Pa front** and **2,400 Pa rear** static loads.
- **Long-Term Warranty:**
 - **15-Year Product Warranty** (Mono-facial) / **12-Year Product Warranty** (Bifacial)
 - **30-Year Linear Power Warranty** with < 0.35 % annual degradation.
- **System Compatibility:** Fully compatible with VoltARIX hybrid and on-grid inverters, ensuring maximum system efficiency.

Specification

Model	SVX-51QL6-DV	SVX-66QL6-BDV
Power Range (Pmax)	495 W – 520 W	650 W – 670 W
Cell Type	N-Type TOPCon Mono-Crystalline	N-Type TOPCon Bifacial
Module Type	Mono-Facial Dual Glass	Bifacial Dual Glass
Module Efficiency	Up to 21.3 %	Up to 22.5 %
Bi-faciality Factor	—	85 ± 5 %
Temperature Coefficient (Pmax)	−0.29 %/°C	−0.29 %/°C
Operating Temperature Range	−40 °C to +85 °C	−40 °C to +85 °C
Max. System Voltage	DC 1500 V	DC 1500 V
Load Rating	5400 Pa (front), 2400 Pa (rear)	5400 Pa (front), 2400 Pa (rear)
Warranty	15 Years Product / 30 Years Power	12 Years Product / 30 Years Power
Certifications	IEC 61215 / IEC 61730 / ISO 9001 / ISO 14001	IEC 61215 / IEC 61730 / ISO 9001 / ISO 45001