

The most efficient and powerful solar power generators in the world

The Arzon Solar *uM6-Silicon* system is a fully integrated, easy-to-install silicon module solar power generator designed for robust and reliable solar power electricity generation.

The uM6-Silicon system allows for easy mounting of silicon modules from a variety of manufacturers. The uM6 Dual Axis Tracker provides robust, field proven design for high precision tracking.

Arzon Solar enjoys strong relationships with silicon module vendors, however the uM6-Silicon can be purchased with or without silicon modules.

30-40%
More Energy

10-15 kW
Power

17-23%
Efficiency

1/2
The Cost

Superior Energy

The uM6-Silicon Dual Axis Tracker delivers maximum energy from your solar modules compared to fixed tilt or single-axis tracking.

Superior Power

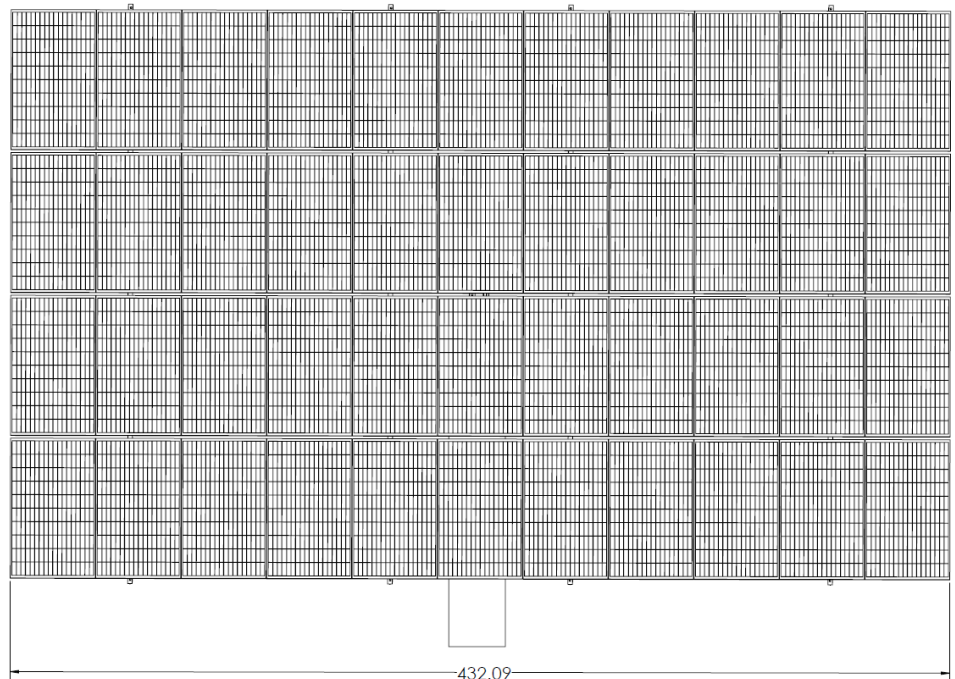
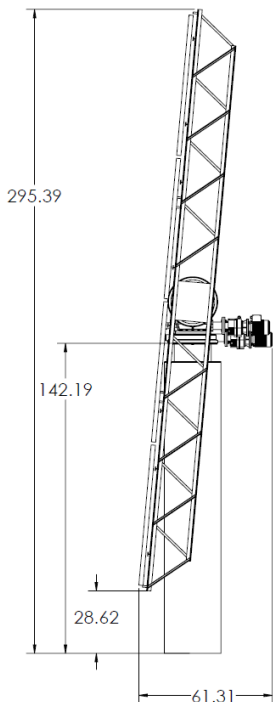
The uM6-Silicon system can hold 71m² of poly or mono silicon modules, for 10.5-15.1 kW of rated power.

Superior Efficiency

uM6-Silicon integrates seamlessly with traditional c-Si modules and high efficiency m-Si modules.

Superior Economics

Our uM6 Dual Axis Tracker is up to half the cost of competing stand-alone dual axis trackers on the market today without sacrificing performance or reliability.



Dimensions in Inches, Figure is 6' tall reference

uM6-Silicon Typical Performance

Typical Power with 44x c-Si Modules ¹	10.5 kW STC
Typical Power with 44x m-Si Modules ²	15.1 kW STC

uM6-Silicon Tracker + Structure Specifications

Weight (without Modules)	3,700 lbs / 1678 kg
Frontal Area of Modules Held	764 ft ² / 71 m ²
Outer Dimensions	432" x 295" x 61" 11m x 7.5m x 1.6m
Mounting Type	Pedestal mounted
Structure Type	Galvanized steel

uM6 Dual Axis Tracker Performance

Tracking Accuracy	+/- 4 deg (Si) / 0.2 deg (CPV)
Modules Supported	Si, CPV
Elevation Angle range	-5° - 80°
Azimuth Angle range	135° to -135°
Tracking Modes	Open loop Si (GPS guided) / Closed loop CPV (optical sensor)
Ground Interface design provided	Direct burial + concrete, flanged pedestal + concrete with studs, concrete pre-form or non-penetration spread pedestal
O&M	1x / yr drive train clean & grease 1x / yr control cabinet cleaning

Environmental Specifications

Max survival wind speed	100 mph / 40 m/s stowed
Max operating wind speed	40 mph / 18 m/s direct
Operating temp range	-4°F / -20°C to 122°F / 50°C
Survival temp range	-40°F / -40°C to 140°F / 60°C

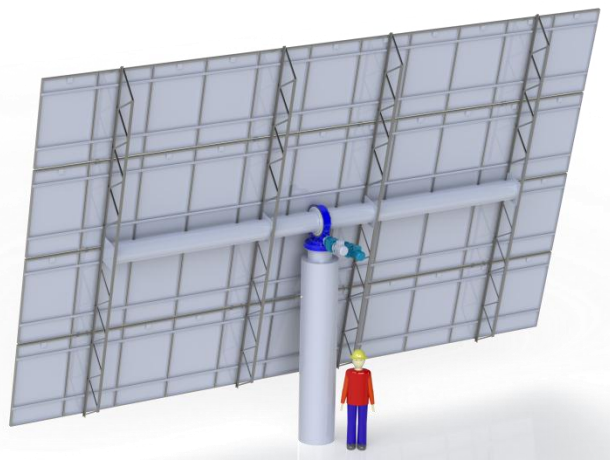
Transport and Packing Specifications

Shipment type and dunnage	Standard pallet with disposable support
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Product Images



uM6-Silicon tracking mode shown with 44x Si modules mounted



uM6-Silicon from the back with 44x Si modules mounted

Warranty and Certifications

Workmanship	3 year limited product warranty
Performance	25 year limited power warranty
Certifications	UL3703, CE, RoHS

1: Assumed 240W STC, 1.6 m², 15% c-Si standard module
2: Assumed 345W STC, 1.6 m², 21% m-Si SunPower X21-345 module