

uM6 Solar Power Generator

The most efficient and powerful solar power generators in the world

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

The *uM6* can be shipped anywhere in the world and offers more power per surface area than any other PV system on the market.

uM6 is powered by six Arzon Solar *uModules™*. *uM6* installation is easy and can be completed by traditional solar EPCs or general contractors.

30%

Superior Efficiency

At 30%, the *uM6* is the highest efficiency commercially available solar generator in the world

40%

Superior Cells

The reliable and proven 40% multi-junction solar cell is at the core of our high efficiency *uModule*

16 kW

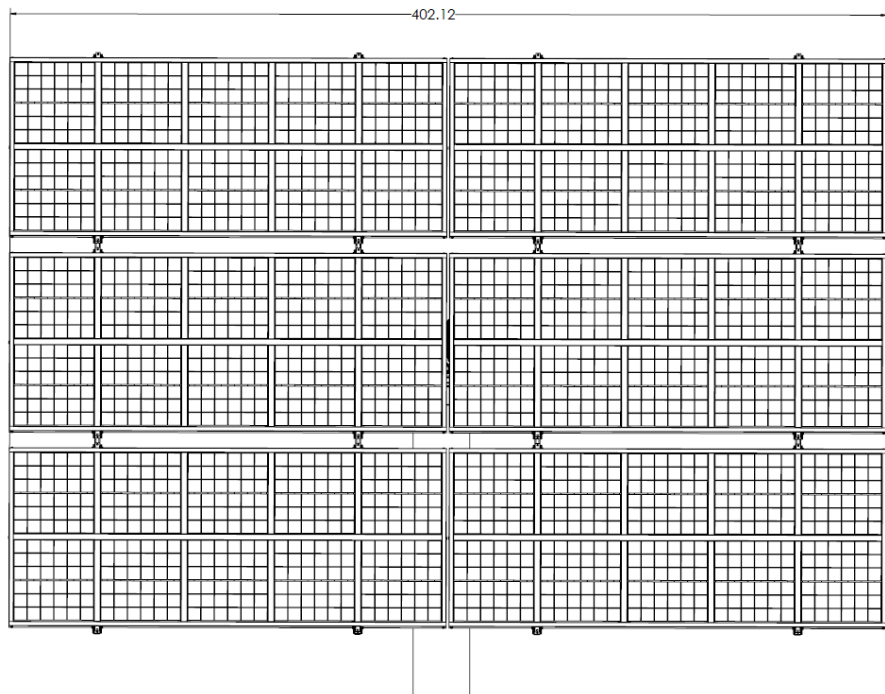
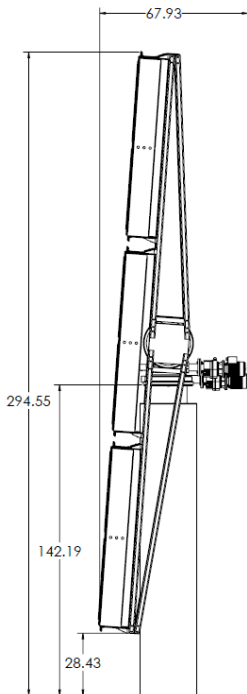
Superior Power

The *uM6* packs 16.1 kW DC CSTC into an easy to install, fully integrated, dual axis tracking system

2,800 kWh/kW

Superior Energy

In high DNI locations, the *uM6* can deliver upwards of 2,500 - 2,800 kWh AC / kW AC CSOC, resulting in incredible land energy density



Dimensions in Inches
Figure is 6' tall reference

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uM6 Electrical Specifications

Rated Power CSTC ¹	16 kW
Rated Power CSOC ²	14 kW
Module Efficiency ³	30%
Rated Voltage (Vmp CSOC)	475 VDC
Rated Current (Imp CSOC)	29 A
Open Circuit Voltage (Voc CSOC)	540 VDC
Short Circuit Current (Isc CSOC)	32 A
Temp Coefficient of Power	-0.14%/°C

uM6 Physical Specifications

Weight	7,326 lbs / 3,323 kg
Frontal Area	710 ft ² / 66 m ²
Outer Dimensions	295" x 402" x 68" 7.5m x 10.2m x 1.7m
Ground Interface	Buried or flanged pedestal
Service and Upgrade	Lens and Plates are removable & upgradable

Environmental Specifications

Max survival wind speed	90 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
Impact resistance	Hail 1.0" (2.5cm) at 90 mph (40 m/s)

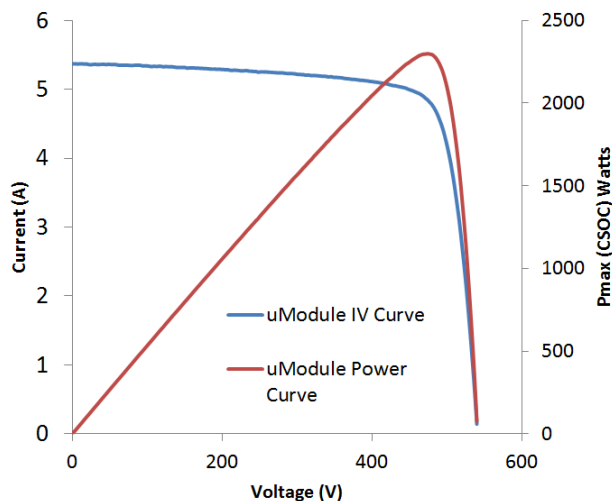
Transport and Packing Specifications

Shipment type and dunnage	Standard pallet with disposable support. Shipped via land, sea or railcar
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- 1- CSTC is 1000 W/m², 25 °C cell temperature
- 2- CSOC is 900 W/m², 20 °C ambient temperature, 2 m/s wind
- 3- CSOC Aperture efficiency
- 4- IEC testing currently in process

I-V Curve

IV Curve for 1x uModule. uM6 is 6x uModules



Warranty and Certifications

Workmanship	3 year limited product warranty
Performance	25 year limited power warranty
Certifications	IEC62108 ⁴

Other Information

