

The most efficient and powerful PV module in the world

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

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

The Universal Module can be used with Arzon Solar trackers or third-party CPV dual axis trackers for a variety of system sizes and applications.

30%

Superior Efficiency

At 30%, the uModule is the highest efficiency commercially available PV module in the world

40%

Superior Cells

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

2.7 kW

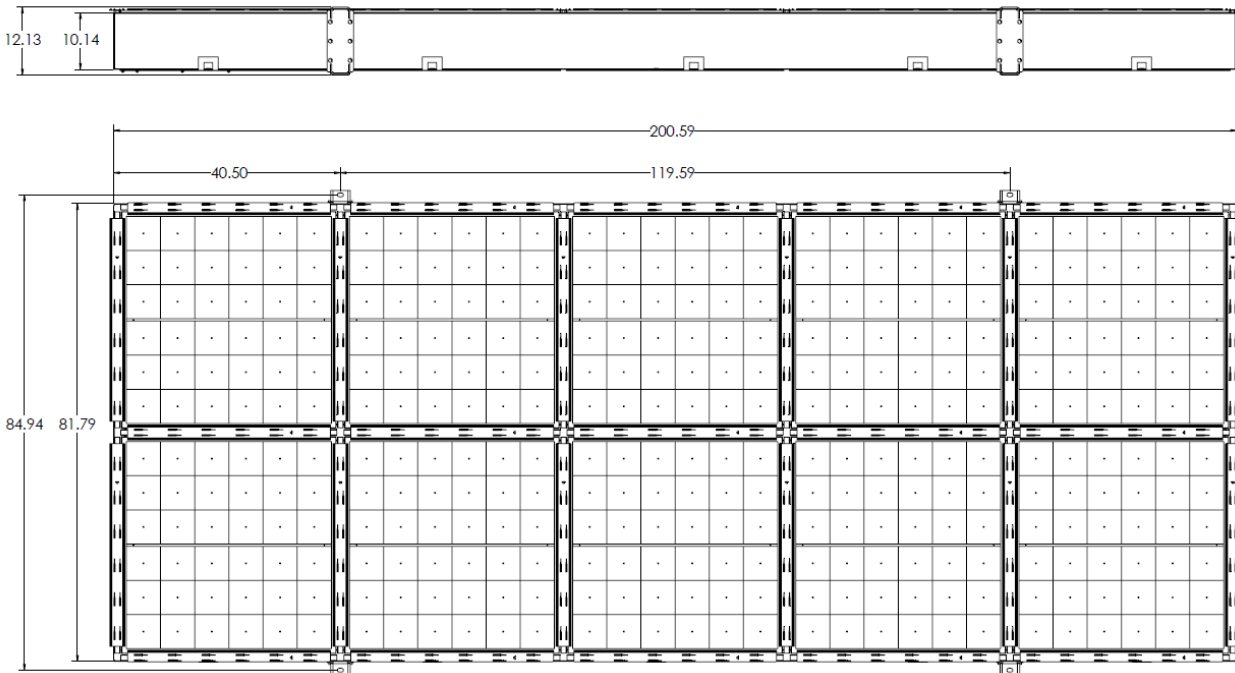
Superior Power

The uModule packs 2.7 kW DC CSTC into an easy to install, lightweight, pre-aligned frame

2,800 kWh/kW

Superior Energy

With proper dual axis tracking in high DNI environments, Arzon Solar uModule 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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uModule Electrical Specifications

Rated Power CSTC ¹	2.7 kW
Rated Power CSOC ²	2.3 kW
Module Efficiency ³	30%
Rated Voltage (Vmp CSOC)	475 VDC
Rated Current (Imp CSOC)	4.9 A
Open Circuit Voltage (Voc CSOC)	540 VDC
Short Circuit Current (Isc CSOC)	5.4 A
Temp Coefficient of Power	-0.14%/°C

uModule Physical Specifications

Weight	630 lbs / 285 kg
Frontal Area	120 ft ² / 11.2 m ²
Outer Dimensions	85.0" x 201" x 12.2" 2.16m x 5.11m x 0.31m
Ground Interface	Buried or flanged pedestal
Service and Upgrade	Lens and Plates are removable & upgradable

Environmental Specifications

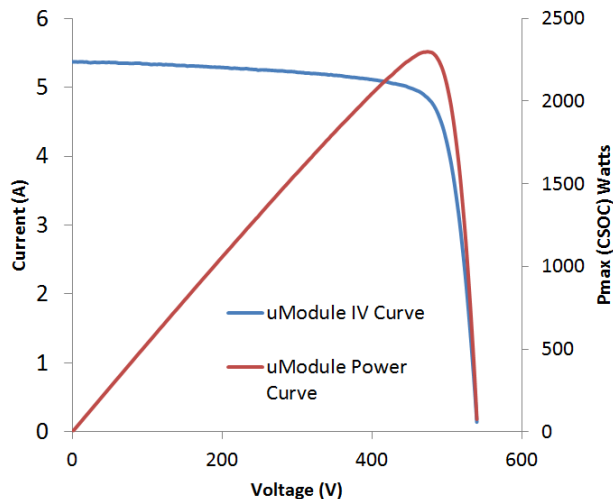
Max survival wind speed	90 mph / 40 m/s stowed
Max operating wind speed	40 mph / 18 m/s direct
Temperature range	-40°F / -40°C to 140°F / 60°C
Impact resistance	Hail 1.0" (2.5cm) at 90 mph (40 m/s)

Transport and Packing Specifications

Modules per 20' / 40' container	7x / 14x
Required dunnage	Standard pallet with disposable support

- 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

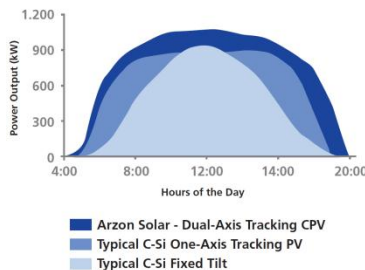
I-V Curve



Warranty and Certifications

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

Benefits and Features



uModule with Dual Axis tracking provides 20-40% more energy than fixed tilt or single axis tracking c-Si solar



uModule is logistically flexible, fitting into standard international 20' / 40' shipping containers to service global opportunities