

Specifications

Model	US-64	US-32	US-11	US-5
Rated Power (Wp)	64.0	32.0	10	5.0
Max Power Point VMPP (V)	16.5	16.5	16.5	16.5
Max Power Point IMPP (A)	3.9	1.9	0.6	0.3
Open Circuit Voltage VOC (V)	23.8	23.8	23.8	23.8
Short Circuit Current ISC (A)	4.8	2.4	0.8	0.4
Weight (lbs./kg)	20.2/9.2	10.6/4.8	3.6/1.6	2.5/1.1
Length of the panel (in./mm)	53.8/1366	53.8/1366	19.3/491	19.3/491
Width of the panel (in./mm)	29.2/741	15.1/383	15.1/383	8.1/206
Cable length (ft./mm)	-	-	8/2438	8/2438
Warranty On Power Output	20 yr.	20 yr.	10 yr.	10 yr.

During the first 8-10 weeks of operation, electrical output exceeds specified ratings. Power output may be higher by 15%, operating voltage may be higher by 11% and operating current may be higher by 4%. Electrical specifications ($\pm 10\%$ US-32.11 & 5 / $\pm 5\%$ US-64) are based on measurements performed at standard test conditions of 1000 W/m² irradiance, Air Mass 1.5, and Cell temperature of 25°C after long-term stabilization. Actual performance may vary up to 10% from rated power due to low temperature operation, spectral and other related effects. Specifications subject to change without notice.

Quality Assurance, Proven Reliability

UNI-SOLAR modules comply with the following qualification tests:

- UL Listed Up To 600 VDC 
- Safety Class II Up To 520 VDC  (US-32 & US-64)
- Meets IEC 61646 Requirements
- Thermal Cycling
- Humidity-Freeze Test
- Damp Heat Test
- UV-Test
- Wet Insulation Test
- Mechanical Load Test
- Hail Impact Test
- Robustness of Terminations Test



Product Description

The UNI-SOLAR modules are exceptionally durable. They are encapsulated in UV-stabilized polymers and framed with anodized aluminium. The polymer encapsulation includes EVA and the fluoropolymer ETFE. A Galvalume® steel backing plate provides stiffness.

Bypass diodes are connected across each cell, allowing the modules to produce power even when partially shaded (exception: US-5).

The US-64 and US-32 have a weather resistant UNI-SOLAR junction box with knock-outs for customization by the customer. All other US-modules have a potted pig tail with integral wiring. The cable is a 2-conductor 18 AWG with insulation rated at 58°C.

The UNI-SOLAR US-64 and US-32 modules are appropriate for all applications from simple single module requirements to larger grid-connected applications. All other UNI-SOLAR US modules under 30 watts should not be connected in series.

Your UNI-SOLAR Distributor: