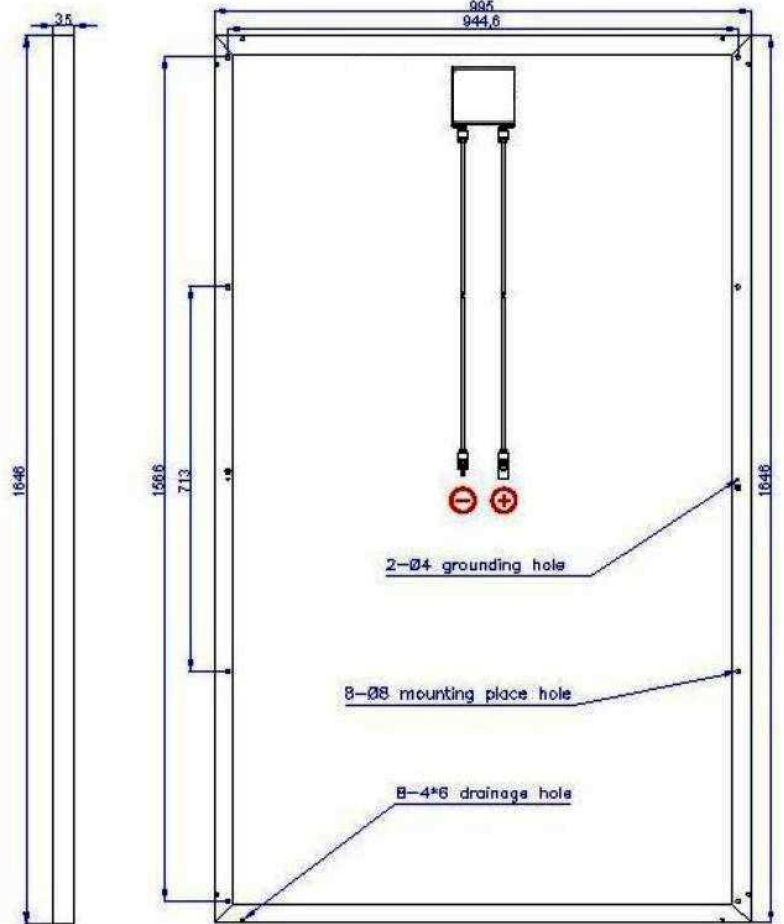
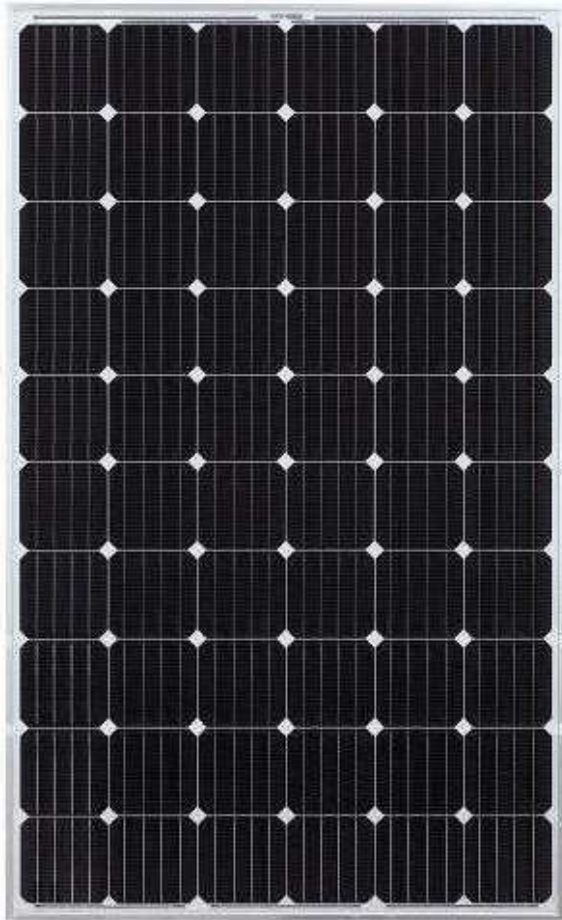




ATUM SOLAR

ATS-S610280 High Quality Mono –Crystalline Photovoltaic Module



Specification

Type Of Module	ATS-S610280
Maximum Power, Pmax [W]	280
Tolerance [%]	Plus
Open circuit Voltage, Voc [V]	39.04
Short circuit Current, Isc [A]	9.24
Maximum Power Voltage , Vmp [V]	32.50
Maximum Power Current, Imp [A]	8.68
Module Efficiency [%]	17.10
Series Fuse Rating [A]	15
Terminal Box	IP65
Maximum System Voltage [V]	DC 1000
Operating Temperature [°C]	- 40 to 85

* The measuring uncertainty of Pmax is $\leq \pm 2\%$

Feature

1. Highly efficient energy conversion.
2. High strength with wind and snow loads guaranteed up to 5400 Pascalt.
3. All manufactured modules are tested 100% by EL (Electro-luminescence) before and after lamination.
4. Waterproof (UL94, V-O). Perfect for grid applications.
5. Plus tolerance for perfect performance.
6. Product guarantee 10 years.

Electrical Characteristics

Electric Performance Typical Performance Characteristics		Limited Warranty	
Short Circuit Current Temperature Coefficient mA/°C	+4.7	Product	10 years
Open Circuit Voltage Temperature Coefficient V/°C	-0.1238	90% Output Power	10 years
Maximum Power Temperature Coefficient %/°C	-0.451	80% Output Power	25 years

Best Quality and Reliability

1. Modules tested follow IEC61215, IEC61730-1 & 2 , to ensure the safety and performance.
2. Manufacturing facility certified to ISO 9001 Quality Management System standards.

Physical Specifications

Length	1646 mm / 64.8 in
Width	995 mm / 39.17 in
Depth	35 mm / 1.38 in
Weight	18.6 kg / pcs

Packing Specifications

Modules Per carton	30 pcs / carton
Modules Per Pallet	30 pcs / Pallet
20ft container Capacity	360 pcs
40ft container Capacity	840 pcs

Atum Solar

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