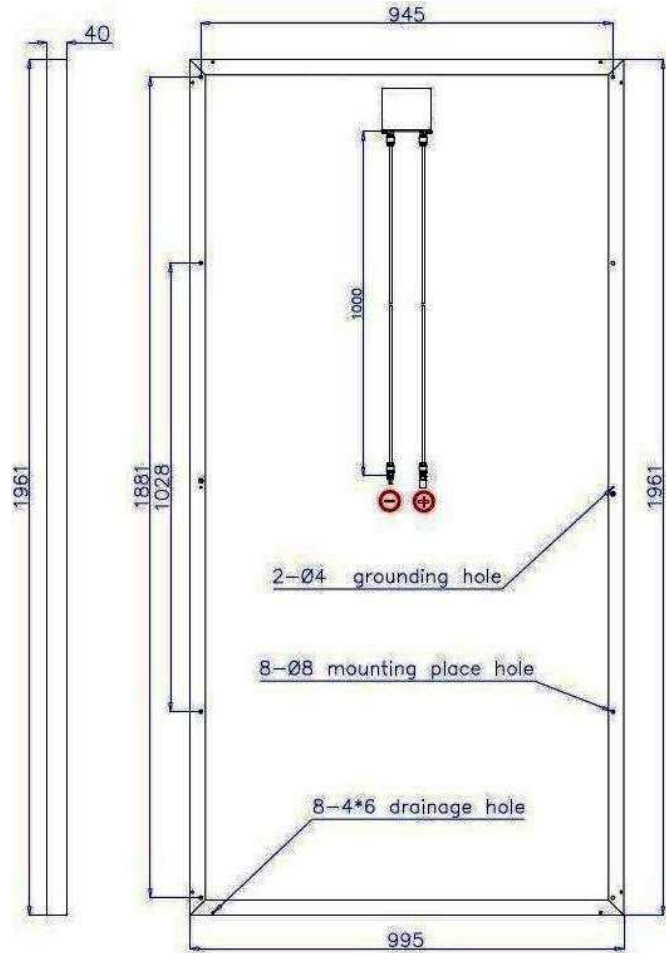
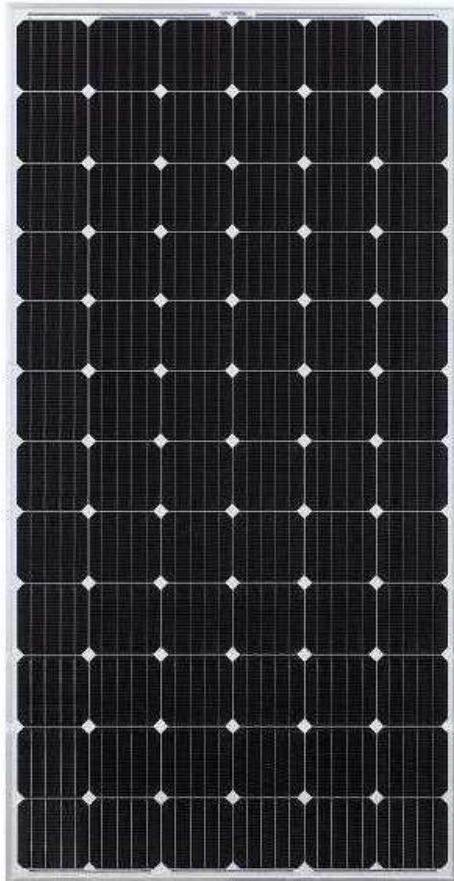




ATUM SOLAR

ATS-S612310 High Quality Mono –Crystalline Photovoltaic Module



Specification

Type Of Module	ATS-S612310
Maximum Power, Pmax [W]	310
Tolerance [%]	Plus
Open circuit Voltage, Voc [V]	45.1
Short circuit Current, Isc [A]	8.77
Maximum Power Voltage , Vmp [V]	36.82
Maximum Power Current, Imp [A]	8.43
Module Efficiency [%]	15.89
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	1961 mm / 77.2 in
Width	995 mm / 39.17 in
Depth	40 mm / 1.57 in
Weight	22.6 kg / pcs

Packing Specifications

Modules Per carton	27 pcs / carton
Modules Per Pallet	27 pcs / Pallet
20ft container Capacity	270 pcs
40ft container Capacity	594 pcs

Atum Solar

Tan Dong Hiep Production zone, Di An District, Binh Duong Province,

Vietnam Website: <http://www.atumsolar.vn>

Tel : +84-08 68 575 700

Mobile: +84 905 717 313