72 Series

ACCESS SOLAR

300 Watt

POLYCRYSTALLINE SOLAR MODULE

Features

High module conversion efficiency
Module efficiency up to 15.6% achieved through advanced cell technology and manufacturing capabilities

High PID resistant
Advanced cell technology and qualified materials lead to high resistance to PID

Positive tolerance
Positive tolerance of up to5%delivers higher outputs reliability

Access current sorting process
System output maximized by reducing mismatch losses up to 2% with modules sorted & packaged by amperage

Extended wind and snow load tests
Module certified to withstand extreme wind (3800 Pascal) and snow loads (5400 Pascal) *

Withstanding harsh environment
Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline

And standards:
IEC 61730, conformity to CE

CML : No. 0006325563

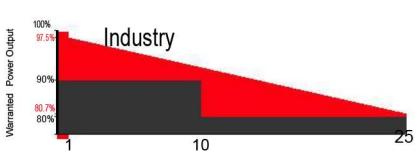
Trust Access to Deliver Reliable Performance Over Time

- World-class manufacturer of crystalline silicon photovoltaic modules
- Unrivaled manufacturing capacity and world-class technology
- Rigorous quality control meeting the highest international standards: ISO 9001: 2008, ISO 14001: 2004
- Regular independently checked production process from international accredited institute/company
- Tested for harsh environments (salt mist, ammonia corrosion and sand blowing testing: IEC 61730, IEC 61215)
- Long-term reliability tests
- 1 x 100% Pre lamination inspection ensuring defect

Special 3 bus bar design

The unique cell design leads tremendous reduction in electrodes resistance and raise In conversion efficiency. Less residual stress, less cell micro-Cracks and hotspot risks.

Industry-leading Warranty based on nominal power



- 97.5% in the first year, thereafter, for years two (2) through twenty-five (25), 0.7% maximum decrease from MODULE's nominal power output per year, ending with the 80.7% In the 25th year after the defined WARRANTY STARTING DATE.
- 10-year product warranty
- 25-year linear performance warranty

IP65 Rated Junction Box

IP65 rated junction box supports installations in multiple orientations. High reliable performance, low resistance connectors ensure maximum output for the highest energy production.

* Please refer to Access Standard Module Installation Manual for details.
*** Please refer to Access Product Warranty for details.

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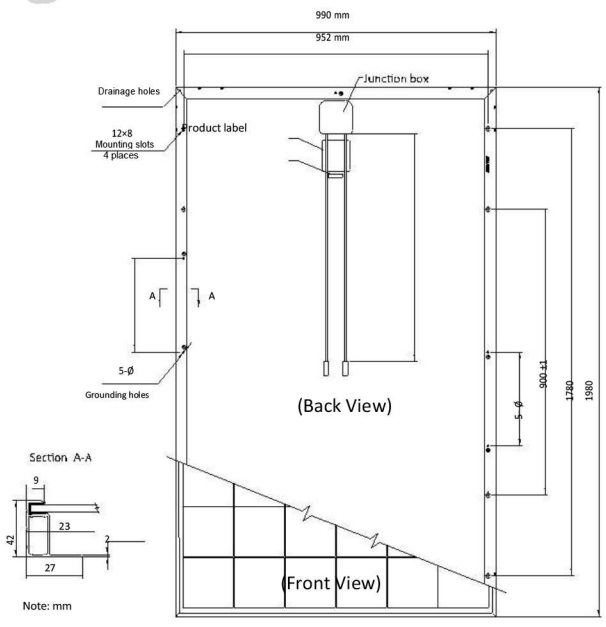


Electrical Characteristics

STC	ASL-P24290	ASL-P24300	ASL-P24310
Maximum Power at STC (Pmax)	290 W	300 W	310 W
Optimum Operating Voltage (Vmp)	36.4 V	36.7 V	36.6 V
Optimum Operating Current (Imp)	7.97 A	8.18 A	8.47 A
Open Circuit Voltage (Voc)	44.2 V	44.0 V	44.4 V
Short Circuit Current (Isc)	8.90 A	8.99 A	9.12 A
Module Efficiency	15.3%	15.6%	15.8%
Operating Module Temperature	-40 °C to +85 °C		
Maximum System Voltage	1000 V DC (IEC)		
Maximum Series Fuse Rating	20 A		
Power Tolerance	0/+5 %		

STC: irradiance 1000 W/m^2, module temperature 25 °C, AM=1.5;
Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

NOCT	ASL-P24290/ Cell	ASL-P24300/ Cell	ASL-P24310/ Cell
Maximum Power at NOCT (Pmax)	238 W	245 W	208 W
Optimum Operating Voltage (Vmp)	32.1 V	33.2 V	33.6 V
Optimum Operating Current (Imp)	7.40 A	7.42 A	7.45 A
Open Circuit Voltage (Voc)	41.0 V	42.0 V	43.0 V
Short Circuit Current (Isc)	7.70 A	7.82 A	7.80 A

NOCT: Irradiance 800 W/m^2, ambient temperature 20 °C, AM=1.5, wind speed 1 m/s;
Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

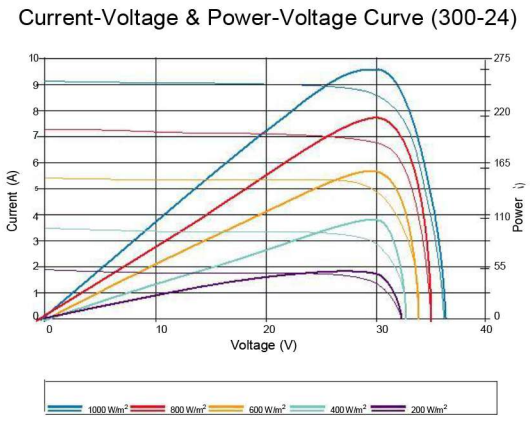
Temperature Characteristics

Nominal Operating Cell Temperature (**NOCT**)	45±2°C
Temperature Coefficient of Pmax	-0.42 %/°C
Temperature Coefficient of Voc	-0.33 %/°C
Temperature Coefficient of Isc	0.067 %/°C

Mechanical Characteristics

Solar Cell	Polycrystalline silicon 156 × 156 mm
No. of Cells	72 (6 × 12)
Dimensions	1980 × 990 × 42mm
Weight	24 kgs
Front Glass	3.2 mm (0.13 inches) tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP65 rated (3 bypass diodes)
Output Cables	TUV (2Pfg1169:2007) 4.0 mm^2 (0.006 inches^2) 1000 mm cable
Connectors	Original MC4 connectors

Current-Voltage & Power-Voltage Curve (300-24)



Excellent performance under weak light conditions: at an irradiation intensity of 200 W/m^2 (AM 1.5, 25 °C), **96.5%** or higher of the STC efficiency (1000 W/m^2) is achieved

Packing Configuration

Container	20' GP	40' HC
Pieces per pallet	23	23
Pallets per container	12	24
Pieces per container	276	552

Dealer information

Information on how to install and operate this product is available in the installation instruction. All values indicated in this data sheet are subject to change without prior announcement. The specifications may vary slightly. All specifications are in accordance with standard EN 50380. Color differences of the modules relative to the figures as well as discolorations of/in the modules which do not impair their proper functioning are possible and do not constitute a deviation from the specification.

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