

# Ataru Poly Crystalline Series, 72 Cell Modules

## Electrical Data

All data refers to STC [AM 1.5, 1000 W/m<sup>2</sup>, 25°C]

Peak Power P <sub>max</sub> (Wp)	310	315	320	325	330	335	340
Maximum Voltage V <sub>mpp</sub> (V)	39.67	39.82	40.09	40.25	40.33	40.4	40.61
Maximum Current I <sub>mp</sub> (A)	7.82	7.94	8.01	8.09	8.2	8.31	8.39
Open Circuit Voltage V <sub>oc</sub> (V)	46.14	46.37	46.65	46.81	46.98	47.07	47.23
Short Circuit Current I <sub>sc</sub> (A)	8.49	8.61	8.69	8.76	8.83	8.99	9.07
Module Efficiency (%)	16.51	16.75	16.83	16.87	17.01	17.06	17.1

1] STC:1000W/m<sup>2</sup> irradiance, 25°C cell temperature, AM1.5g spectrum according to EN 60904-3.  
Average relative efficiency reduction of 5% at 200W/m<sup>2</sup> according to EN 60904-1.

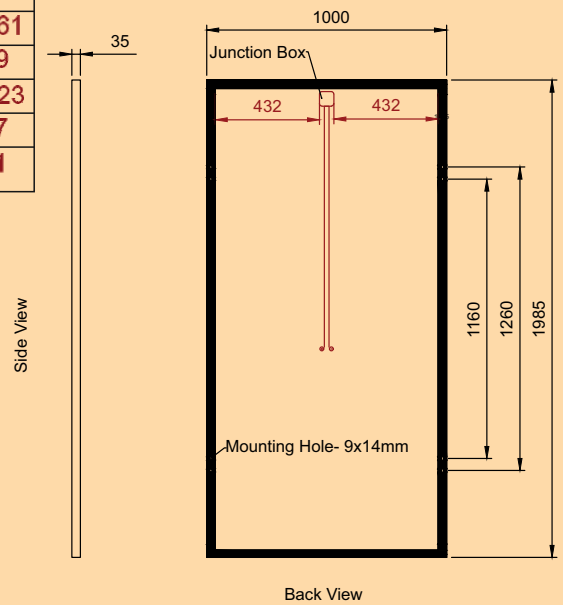
## Temperature Coefficients (Tc) permissible operating conditions

Tc of Open Circuit Voltage (β)	-0.31%/C
Tc of Short Circuit Current (α)	0.0402%/C
Tc of Power (γ)	-0.426%/C
Maximum System Voltage	1500V
NOCT	45C + 2C
Temperature Range	-40C TO +85C

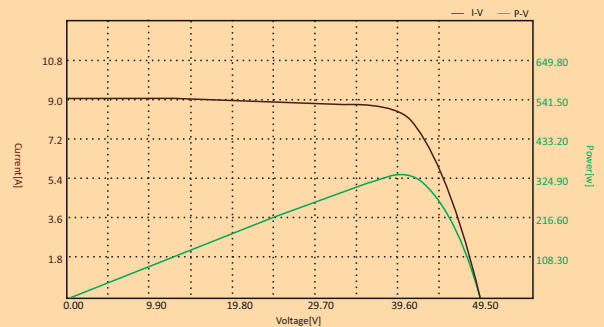
## Mechanical Data

Length X Width X Height	1985 x 1000 x 35
Weight	21.8 Kgs
Junction Box	IP 68, 3By Pass Diodes
Cable & Connectors	1000mm Length Mc4 Connectors
Application Class	Class A (Safety Class II)
Superstrate	3.2mm High Transmission Low Iron Tempered Glass, AR Coated
Cells	72 Cells, 5BB Cells, Poly
Cell Encapsulant	EVA Fast Curing
Back Sheet	Composite Film
Frame	Anodized Al Alloy Type 6063
Mechanical Load Test	5400 PA

## Dimensions in mm



ModuleName: ASPV340ATARU



## Warranty and Certifications

Product Warranty\*\* 10 Years  
 Performance warranty\*\* Linear power warranty for 25 Years  
 Approvals and Certificates IEC 61215, IEC 61730 Part 1 & 2



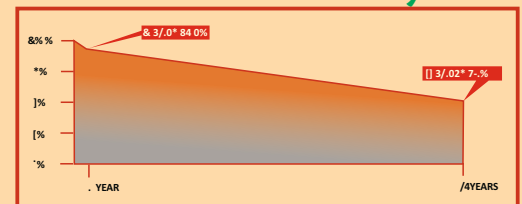
IS 14286:2010  
 IS 61730  
 IS 61730 (2)



R-96003573



## Performance warranty



## Packaging Information

Container	20'GP	40'GP	40'HC
Pallets/Container	10	12	24
Pieces/Container	250	300	600