

AR- P300W~AR-P345W SERIES

72 Cells

300-345Wp Output Power Range

Max system voltage 1500V standard



Benefits

- High efficiency solar cells with high transmission and textured glass are delivering high efficiency for
- Bypass diode minimizes the power drop caused by shade;
- Tempered glass, EVA resin, and weatherproof film, plus aluminum frame for extended outdoor use;
- Modules independently tested to ensure conformance with certification and regulatory standards;
- Manufacturing facility certified to ISO 9001/ISO 14001; quality management system standards.

Key Features

- **OUTPUT POSITIVE TOLERANCE:**
Guaranteed 0~+5W positive tolerance ensures power responsibility
- **PASSED HAIL TEST:**
Certified to hail resistance: ice ball size (d=45mm) and ice ball velocity(v=23.m/s).
- **PID RESISTANCE:**
Excellent PID resistance at (-40°C~+85°C) test, and also can be improved to meet higher standards for the particularly harsh environment.
- **EXCELLENT MECHANICAL LOAD CAPABILITY:** Certified to withstand: snow load (5400 Pa) and wind load (2400 Pa).
- **WARRANTIES:**
12 year limited product warranty; 25 year limited power output warranty(90% for 10 years, and 80% for 25 years),Please refer to our Warranty Terms conditions

OREX

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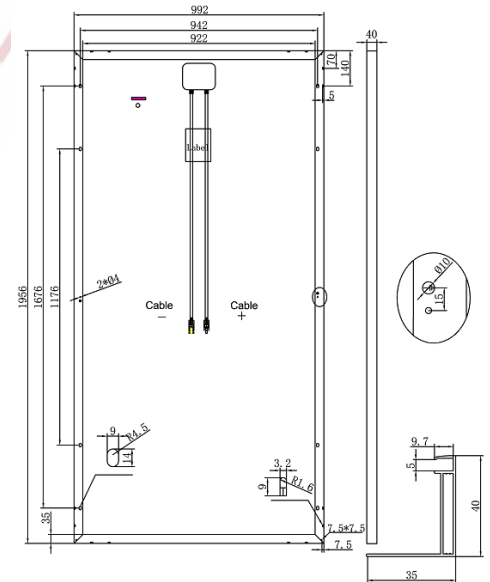
ELECTRICAL SPECIFICATIONS

Electrical parameters at STC (irradiance 1000W/m ² , ambient temp 25°C, Atmospheric quality AM1.5)											
Module Type	AR-P300W~AR-P345W										
Power output(W)	Pmax	300	305	310	315	320	325	330	335	340	345
Power output tolerances	ΔP_{max}	0~+5W									
Module efficiency(%)	η_m	15.46	15.72	15.98	16.23	16.49	16.75	17.01	17.26	17.52	17.78
Voltage at Pmax(V)	Vmp	36.25	36.36	36.85	37.58	37.62	37.69	37.71	37.77	37.82	37.96
Current at Pmax(A)	Imp	8.28	8.39	8.41	8.38	8.51	8.62	8.83	8.91	8.99	9.09
Open circuit voltage(v)	Voc	43.87	43.9	44.19	44.3	44.47	44.65	44.71	44.88	45.08	45.17
Short circuit current(A)	Isc	8.82	8.96	8.99	9.05	9.08	9.15	9.26	9.43	9.52	9.66

Electrical parameters STC (irradiance 800W/m ² , ambient temp 25°C, wind speed 1/ms)											
Module Type	AR-P300W~AR-P345W										
Power output(W)	Pmax	224.0	227.7	231.5	235.2	238.9	242.7	246.4	250.1	253.9	257.6
Voltage at Pmax(V)	Vmp	33.17	33.27	33.72	34.39	34.42	34.49	34.50	34.56	34.61	34.73
Current at Pmax(A)	Imp	6.75	6.85	6.86	6.84	6.94	7.04	7.14	7.24	7.34	7.42
Open circuit voltage(v)	Voc	40.14	40.17	40.43	40.53	40.69	40.85	40.91	41.07	41.25	41.33
Short circuit current(A)	Isc	7.63	7.73	7.76	7.73	7.84	7.95	8.07	8.18	8.29	8.38

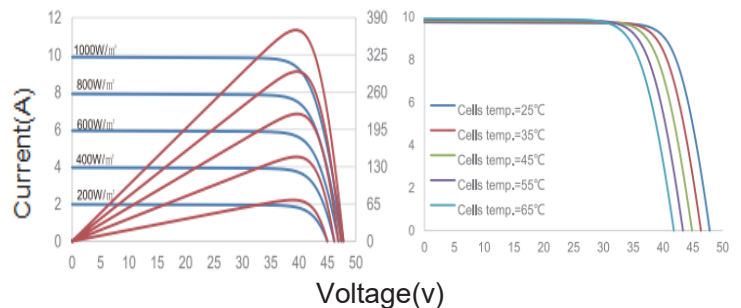
Mechanical Data	
Module Dimension (mm)	1956×992×40
Cells	156.75*156.75 72(6×10)
Weight (kg)	22.5
Class	High transmission glass 3.2mm
anti-reflective coating	Antireflecting glass
Junction box IP rating	IP67 1500VDC 3 bypass diode
Gable	TUV certificated 4mm ²
Connector type	MC4 compatible
Fire performance	Class C

Module Dimension Details



Working Conditions & Temperature	
Temperature coefficient (P mpp)	-0.39%/°C
Temperature coefficient (I sc)	+0.05%/°C
Temperature coefficient (V oc)	-0.29%/°C
NOCT	45°C±2 °C
Maximum system voltage (IEC/UL)	1500V DC
Maximum series fuse rating	15A

IV-Curves



Packing	
packing unit	27pcs/box
1*40'HQ	22Pallets/594pcs