

305~335 W

Poly Crystalline Solar PV Modules

1986x1001x35

Module Dimensions (mm)

159x91

Cell Size (mm)

72 Cell

Mono PERC Module

305-335Wp

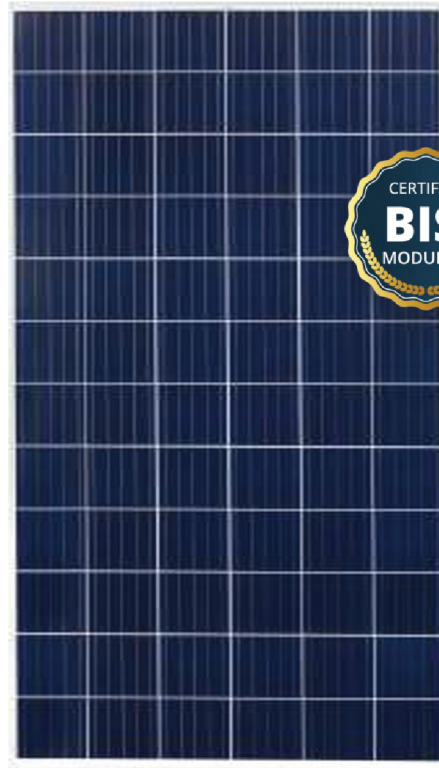
Power Output

1500V DC

Max. System Voltage

17.25 %

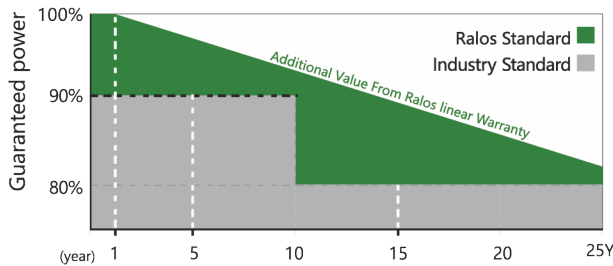
Max. Efficiency



Quality Guarantee

10-Years Product warranty

25- Years Linear power output warranty



- ▶ Ralos solar Linear power Output Guarantee
- ▶ Standard Linear Power Output Guarantee

RALOS PV Modules are manufactured with the highest quality materials and features best in class quality & performance. Our Meticulous our modules deliver an exceptional high PV yield.

KEY FEATURES



1500 V System Voltage

More modules per string. Lower POS cost & Yields better LCOE & Overall project cost.



Reliability

Triple EL Checking to ensure Defect free Module.
100% inline hi-port testing (HV, IR & Ground Testing)



PID Resistance

Excellent Anti-PID performance guarantee Limited Power Degradation for Mass Production.



Low Light Performance

Advanced Glass & Cell Surface Texture design ensure accident performance in low light environment.



Premium Quality

Built to the most stringent quality in the industry with in house testing facilities for module and raw materials.



High Strengthened Design

Can withstand maximum 5400 Pa snow load and 2400 Pa wind load due to super strong frame design.

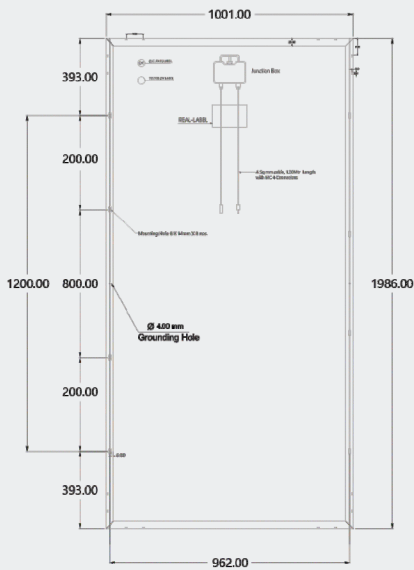
Reg. Office:

904, Mauryansh Elanza, Besides Parekh's Hospital,
Shyamal Cross Road, Satellite, Ahmedabad - 380015, Gujarat, INDIA.

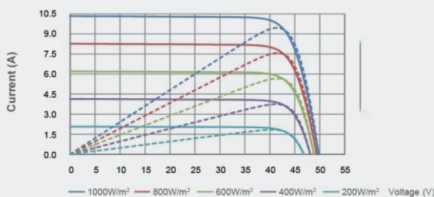
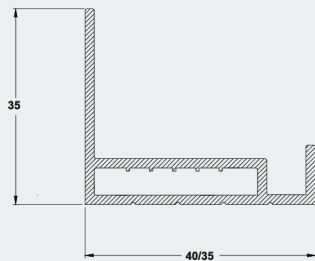
Factory Address :

Survey No: 192, At Dudhathal Village, Taluko-Kapadvanj,
Dist.Kheda, Pin 387 620, Gujarat, India.

Dimensions of PV Module



• ALL DIMENSION IN MM • TOLERANCE ±2MM



Note:

- Due to Constant Product Modification, RALOS reserves the right to amend the above specification without prior notice. The Electrical data given here for reference purpose only.
 - For handling & installation instructions, refer RALOS installation Manual.
 - Please read RALOS warranty documents thoroughly.
- ** Black and Transparent back sheet and black frame module without IEC certification.

ELECTRICAL DATA(STC)

Model Type	ASPL XXX P72 (XXX=PMAX)						
Maximum Power Pmax(Wp)	305	310	315	320	325	330	335
Maximum Voltage Vmpp (V)	36.63	36.77	36.84	36.98	37.12	37.26	37.38
Maximum Current Impp (A)	8.33	8.44	8.56	8.66	8.77	8.86	8.97
Open Circuit Voltage Voc (V)	44.11	44.18	44.33	44.49	44.65	44.81	44.89
Short-Circuit Current Isc (A)	8.63	8.75	8.86	8.96	9.06	9.16	9.28
Module Efficiency (%)	15.72	15.98	16.23	16.49	16.75	17.01	17.26

STC : 1000W/m² irradiance, 25°C module temperature, AM1.5g spectrum according to EN 60904-3. Average relative efficiency reduction of 3.0% at 200W/m² according to EN 60904-1.

Electrical Parameters at Nominal Operating Cell Temperature(NOCT)

Maximum Power Pmax(Wp)	223.3	227	230.6	234.3	238	241.6	245.3
Maximum Voltage Vmpp (V)	34.13	34.26	34.33	34.46	34.59	34.72	34.83
Maximum Current Impp (A)	6.54	6.62	6.72	6.8	6.88	6.96	7.04
Open Circuit Voltage Voc (V)	40.28	40.34	40.28	40.63	40.77	40.92	40.99
Short-Circuit Current Isc (A)	6.97	7.07	7.16	7.24	7.32	7.4	7.5

NOCT : Open-Circuit module operation temperature at 800W/m² irradiance, 20°C ambient temperature, 1m/s wind speed.

THERMAL CHARACTERISTICS

Nominal Operating Cell Temperature	NOCT	°C	46+/-2
Temperature Coefficient of Voc	γ	%/°C	-0.38
Temperature Coefficient of Isc	β	%/°C	+0.07
Temperature Coefficient of Pma	α	%/°C	-0.36

OPERATING CONDITIONS

Maximum System Voltage	1500 Vdc
Maximum Series Fuse Rating	15A
Limiting Reverse Current Rating	20A
Operating Temp. Range(°C)	-40°C to 85°C
Maximum Static Load, Front	5400 Pa (113 Psf)
Maximum Static Load, Back (e.g. Wind)	2400 Pa
Max. Hailstone Impact (Diameter / Velocity)	25mm/ 23 m/s

OPERATING CONDITIONS

Cell Type	Poly Crystalline 6.25 Inch
Cell Arrangement	72 (6 x 12)
Dimensions (L / W / H)	78.18 in (1986 mm) / 39.37 In (1001 mm) / 1.27 in (35 mm)
Weight	21.5 kg (56.2 lb)
Superstrate (Glass)	3.2 mm High transmission Low-Iron Tempered Glass AR Coated
Frame Materials	Silver Anodized Aluminium Frame With Twin Wall Profile
Cell Encapsulate	EVA (Ethylene vinyl acetate) - FC/UFC
Back Sheet	Composite Film - White (Black and Transparent Optional)**
Junction Box	Ip68
Cable	1.2 mtr
Connectors	Mc4 Comparable
By-Pass Diodes	3 Pcs

PACKAGING SPECIFICATIONS

Number of Modules per Pallet	30 Nos
Pallet Dimension (L / W / H)	78 in (2000 mm) / 43 in (1100 mm) / 44 in (1130 mm)
Weight Per Pallet	670 kg (1477 Lb)
Module Weight	21.5