

SUNORA[®]

SOLAR PV MODULE



HIGH EFFICIENT POLYCRYSTALLINE SOLAR PV MODULE

27
Year LINEAR POWER
OUTPUT WARRANTY*

10
Year PRODUCT WARRANTY

BEST SOLAR SOLUTION | 1500V BIS CERTIFIED

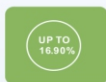
KEY FEATURES



POSITIVE POWER TOLERANCE
UPTO +5W



SUSTAIN HEAVY WIND & SNOW
LOADS (2400 Pa & 5400 Pa)



EXCELLENT MODULE EFFICIENCY
UPTO 16.90 %



100% PRE AND POST EL FOR
ENSURE DEFECT FREE MODULE



HEAVY DUTY ANODIZED
ALUMINIUM FRAME USE



SUPERIOR PERFORMANCE AT
NOCT AND SCT CONDITION



ARC COATED TEMPERED 3.2 MM GLASS
ANTI-REFLECTIVE MODULE SURFACE



ENSURE SAFETY PARAMETERS
THROUGH SAFETY TEST

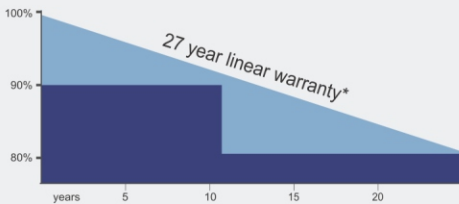
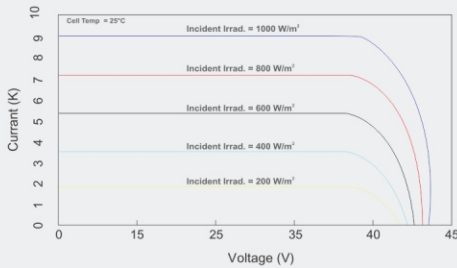
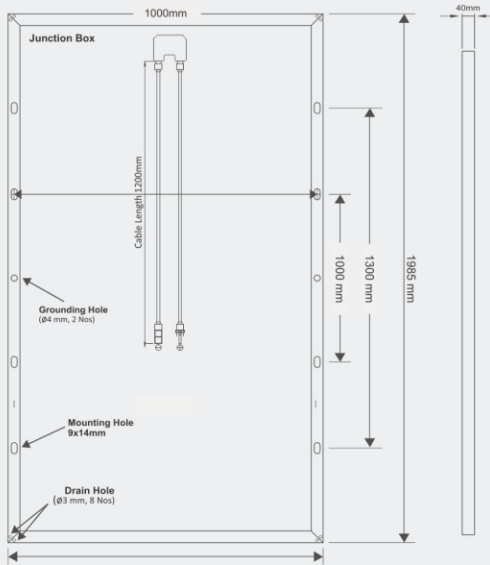


MAKE IN INDIA



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TECHNICAL DATA



PRODUCT BY



**UNIQUE
SUN
POWER**
Reclaim Your Energy

Performance Under STC

Peak Power (0 → 4.99Wp) Pmax(Wp)	330	333	335	340
Maximum Voltage, V _{mpp} (V)	38.75	38.89	39.00	39.25
Maximum Current, I _{mpp} (A)	8.528	8.566	8.600	8.68
Open Circuit voltage, V _{oc} (V)	45.95	46.11	46.15	46.85
Short Circuit current, I _{sc} (A)	9.03	9.06	9.09	9.15
Module efficiency (%)	16.63	16.77	16.88	17.11

Electrical Parameter at NOCT

Maximum Power P _{max} @ NOCT	242.5	252.1	257.0	246.8
Maximum Voltage, V _{mpp} (V)	35.25	35.5	35.6	35.41
Maximum Current, I _{mpp} (A)	6.88	7.1	7.2	6.97
Open Circuit voltage, V _{oc} (V)	42.77	43.2	43.4	42.92
Short Circuit current, I _{sc} (A)	7.42	7.6	7.7	7.5

*STC: Irradiance 1000 W/m², cell temperature 25°C, or mass AM 1.5 according to EN 60904-3.

Average efficiency reduction of 4.5% at 200 W/m² according to EN 60904-1.

Except P_{mpp}, all other parameters have a tolerance of +/-3%, measurement uncertainty <3%.

*NDCT irradiance 800 W/m², ambient temperature 20°C, wind speed 1 m/sec.

Temperature co-efficient (TC) and permissible operating conditions

TC of open circuit voltage	α	-0.30% /C
TC of short circuit current	β	0.070% /C
TC of power	γ	-0.40% /C
Maximum system voltage		1000 V / 1500 V (IEC & UL)
NOCT		45 C + -2 C
Temperature range		-40 C to +85 C

Mechanical Data

Length	1985 mm
Width	1000 mm
Height	35 mm / 40 mm
Weight	22.7 kg
Junction Box	IP68
Cable and connectors	1200 mm length cable, MC4 & Amphenol compatible connectors
Application class	Class A (Safety class II)
Superstrate	High transmittance arc glass
Cells	72 multi-crystalline solar cell ; 5 bus bars
Cell Encapsulation	Superior dielectric strength & PID resistant EVA
Substrate	Tri layer backsheet
Frame	Anodized aluminium frame with twin wall probable
Mechanical load test as per IEC & UL	5400 Pa-front_ 2400 Pa-back
Maximum series fuse rating	20A