

# Monocrystalline Solar Panels

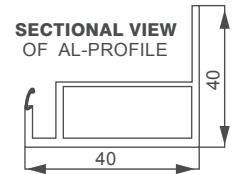


**72 Cell**

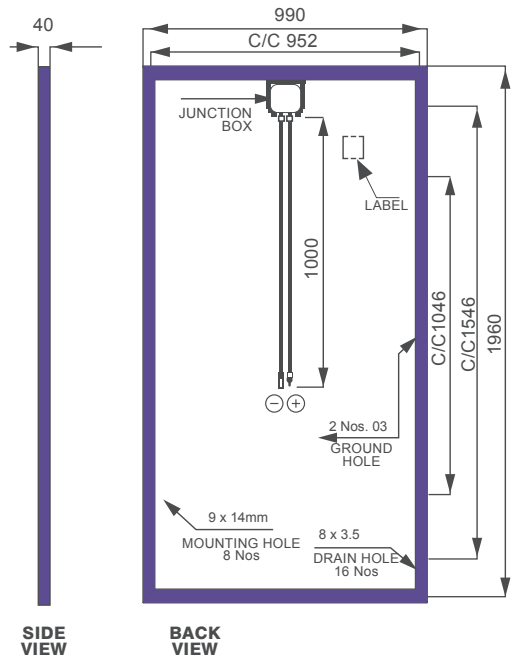
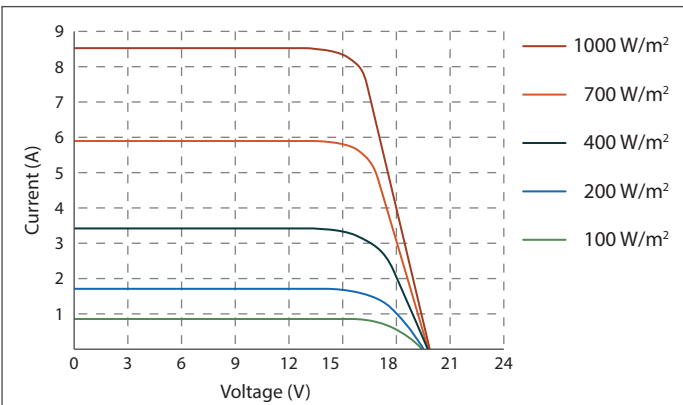
- Higher power output
- Anti-PID Resistance
- Higher lifetime power yield
- Low temperature coefficient
- Special customized solutions
- Extreme weather conditions
- Easily mounted with a number of assembly options



**Dimensions:**  
(In mm)



## IV Curves



# Monocrystalline Module (72 Cell)



## Technical Data

PERFORMANCE UNDER STANDARD TEST CONDITION (STC) (Irradiance of 1000 W/m<sup>2</sup>, AM 1.5 and cell temperature of 25.C)

Capacity Rating - Pmax (Wp)	360W	365W
Maximum Operating Voltage(Vmp)	39.18	39.45
Maximum Operating Current(Imp)	9.19	9.26
Open Circuit Voltage (Voc)	47.9	48.18
Short Circuit Current (Isc)	9.65	9.72
Module efficiency (%)	18.4	18.5
Power Tolerance (%)	0-2	0-2

## Technical Data

PERFORMANCE UNDER NORMAL OPERATING TEST CONDITION (NOTC)  
(Irradiance of 800 W/m<sup>2</sup>, cell temperature of 20°C, Wind speed 1 m/sec)

Capacity Rating - Pmax (Wp)	266	270
Maximum Operating Voltage(Vmp)	36.2	36.4
Maximum Operating Current(Imp)	7.36	7.42
Open Circuit Voltage (Voc)	44.1	44.41
Short Circuit Current (Isc)	7.76	7.81

## Mechanical Specification

Dimensions (LxWxT in mm)	1960x990x40
Weight (kg)	21.5
No of cell	72 (12x6)
Frame	Silver Anodized Aluminum Alloy (40 HS)
Front glass(AR Coated Tempered Glass )	3.2mm
Encapsulate	PID free Ethylene Vinyl Acetate Sheet
Back Sheet	UV protected reflective backsheet
Junction Box with 3- Bypass diode	4 terminal junction Box (IP68)
Cable (4 mm <sup>2</sup> )	Solar cable 400 to 1200 mm length
Application class	Class A
Electrical safety class	class II
Load Test	Front- 5400 Pa, Back- 2400 Pa
Fire Sfety	Class C (Type 1)
Mounting Holes Pitch (Y)- mm	[A]1360 [B] 980
Mounting Holes Pitch (X)- mm	952

## Permissible Operating Conditions

Operating Temperature Range	From - 40°C to + 85°C
Maximum System Voltage	1000 V/1500 V
Maximum Series Fuse Rating	20A / 15A
Hail resistance	Max dia of 25 mm with velocity 23 m/s

## Temperature Coefficients

Current Temperature Coefficients	0.021 %/°C
Voltage Temperature Coefficients	- 0.291 %/°C
Power Temperature Coefficients	- 0.397 %/°C

## Permissible Operating Conditions

Product Warranty	10 Years
Performance Guarantee	27 year Liner power warranty 90% for 10 years and 80% for 25 years
Product Certificates	IEC61215, IEC61730, IEC 61701, IEC62716, IEC 62804, CE, BIS

## Packaging Information

Container	20'GP
Pallets/Container	10
Modules/Container	300

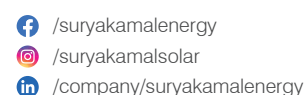
The contents of this brochure is for knowledge purpose only and Suryakamal reserves the rights to change technical parameters at anytime without any notification.

## Suryakamal Energy Private Limited

**Manufacturing Address:** Shade No-4,  
Radhika Enterprise, Survey No-1303,  
Undrel, Ta-Daskroi, Ahmedabad,  
Gujarat, India - 382433.

**Head Office:** Elite-1007,  
Nr. Sola Bridge, S.G. Highway,  
Sola, Ahmedabad,  
Gujarat, India - 380060.

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info@suryakamalenrg.com | www.suryakamalenrg.com