

**For a Free Quote:**

**Web: [EnergyPal.com/solar](http://EnergyPal.com/solar)**

**Call: 1-800-990-3725**

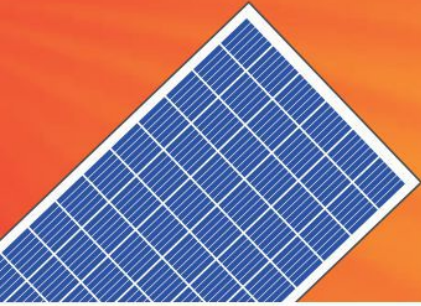
**Email: [contact@energypal.com](mailto:contact@energypal.com)**

# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**SunFuel Technologies LLP  
SFTI72P (300-345) PERC  
72P 320**

Also available on the web at  
[EnergyPal.com/sunfuel-technologies-llp-solar-panels/72p-320](http://EnergyPal.com/sunfuel-technologies-llp-solar-panels/72p-320)



# POLY CRYSTALLINE

## SOLAR PV MODULES

### 72 Cells | 300-345 WATT

This module is ideal for large commercial applications, demonstrating financial astuteness and environmental stewardship.

## PRODUCT FEATURES



### POSITIVE POWER TOLERANCE

Count on sunfuel to deliver all the watts you pay for with a positive only power tolerance of +3%.



### 5 BUSBAR TECHNOLOGY

5 BB technology provides low resistance path to the flow of electrons even in low light conditions resulting better output power.



### HIGH PERFORMANCE

This module uses an advanced surface texturing & ARC process to increase light absorption and improve efficiency.



### PID RESISTANT

Each Sunfuel module is manufactured in state of the art manufacturing environment using PID free raw material resulting high power output and less degradation.



### LOW - LIGHT PERFORMANCE

Anitmony Free low iron ARC textured glass and textured 5 BB solar cell combines together to perform excellent in Low Light conditions.



### HIGH LOAD RESISTANT

Each Sunfuel module withstand wind load [2400 Pa] and snow load [5400 Pa].



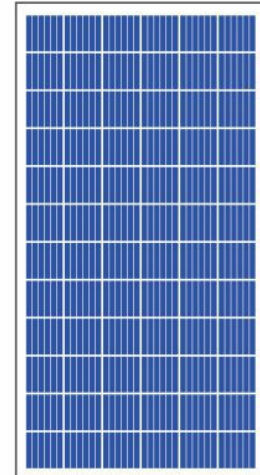
### RELIABLE

25-year limited warranty on power output and 10-year limited warranty on materials or workmanship.



### ELECTROLUMINESCENCE TESTING

Dual stage EL testing assures quality analysis by recognizing real time cell breakage, surface cracks and fissures of a micron scale.



## APPLICATIONS

- On-grid large scale utility systems
- On-grid rooftop residential, commercial and industrial roof top installations
- Off-grid residential systems
- Solar pumping applications
- Solar E-rickshaw

## SUNFUEL TECHNOLOGIES OFFERS THE BEST COMBINED POWER AND PRODUCT WARRANTY

### SUNFUEL PRODUCT & LINEAR PERFORMANCE WARRANTY

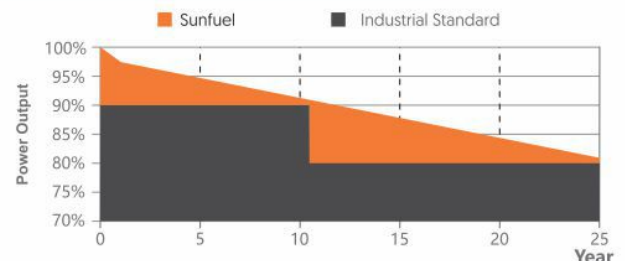
#### Product Warranty

10 Years

#### Performance Warranty \*



with 2.5% for 1st year degradation and 0.67% from year 2 to year 25



\*Refer to sunfuel's warranty document for terms and conditions. .

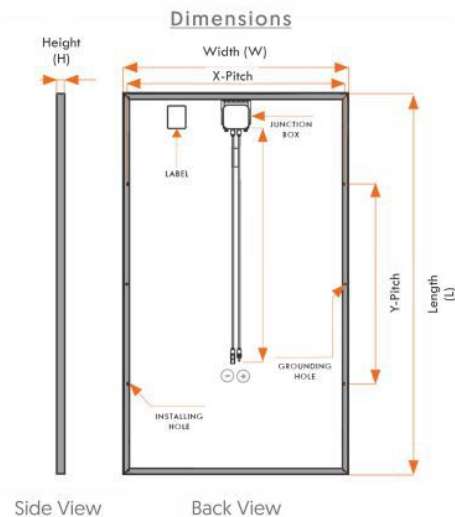


# TECHNICAL DATA

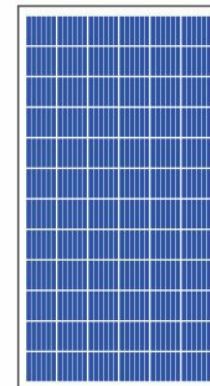
## ELECTRIC PARAMETERS

Electric Parameters at Standard Test Conditions (STC) of irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C.

MODULES (SFTI)	72P 300	72P 305	72P 310	72P 315	72P 320	72P 325	72P 330	72P 335	72P 340	72P 345
Pmax [watts] (nominal)	300	305	310	315	320	325	330	335	340	345
Voltage at Pmax Vmp [V]	37.23	37.57	37.90	38.14	38.47	38.74	39.06	39.14	39.27	39.34
Current at Pmax Imp [A]	8.06	8.12	8.18	8.26	8.32	8.39	8.45	8.56	8.66	8.77
Open-circuit Voltage Voc [V]	43.56	44.06	44.56	44.78	45.20	45.50	45.70	45.90	46.30	46.50
Short Circuit Current Isc [A]	8.57	8.65	8.69	8.77	8.82	8.88	8.98	9.16	9.23	9.29
Module Efficiency [%]	15.43	15.68	15.94	16.19	16.45	16.71	16.97	17.22	17.48	17.74
X - Pitch [mm]	953									
Y - Pitch [mm]	1000									
Module Dimensions L x W x H [mm]	1965x990x42									
Module Weight [kg]	22.0									



Note: All dimensions are in mm only



Front View

## CONSTRUCTION MATERIALS

Junction Box	IP 67, 4 Terminal with 3 bypass diodes
Application Class	CLASS A [Safety class II]
Front Covers	High transmission, low Iron, tempered glass
Cells	72 Nos., Polycrystalline
Cell Encapsulant	EVA [Ethylene Vinyl Acetate]
Back Cover	Composite film [Backsheet]
Frame	Anodized aluminium frame with twin wall profile
Mounting Holes	Mounting hole 4 nos. [oval shape [12mm x 9mm] and 6mm Grounding hole 2 nos.

## TEMPERATURE COEFFICIENT

Tc of Open Circuit Voltage [β]	- 0.32 ± 0.01 % /°C
Tc of Short Circuit Current [α]	0.03 ± 0.02% /°C
Tc of Power [γ]	- 0.43 ± 0.02% /°C
Maximum System Voltage [V]	1000 V
NOCT[°C]	44 °C ± 2 °C
Temperature Range	- 40 °C to + 85 °C

## PACKAGING INFORMATION

Individual packing, 2 modules in 1 Box

DISCLAIMER: Specification included in the datasheet are subject to change without prior notice owing to continuous innovation on the Product Development and R&D activities. Sunfuel reserves the right to make any adjustment to the information.