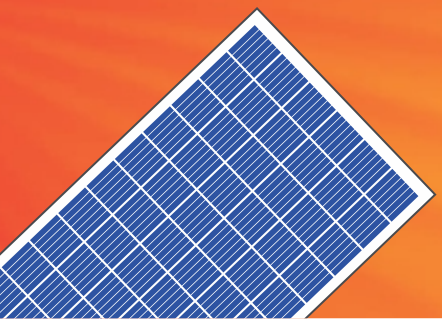


POLYCRYSTALLINE

SOLAR PV MODULES

60 Cells | 250-295 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.

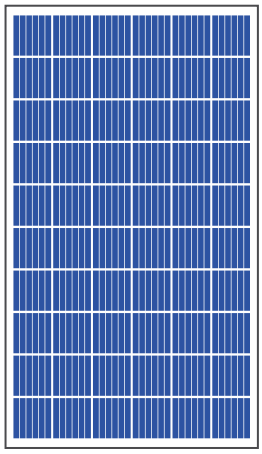
PID RESISTANT
Each Sunfuel module is manufactured in state of the art manufacturing environment using PID free raw material resulting high power output and less degradation.

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

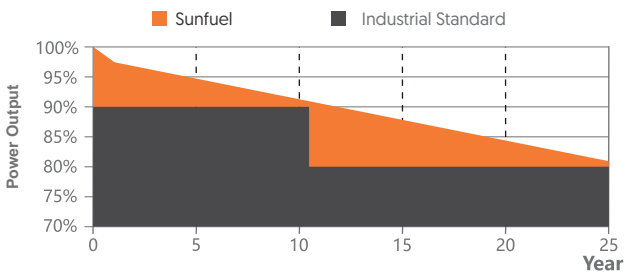
Product Warranty

10 Years

Performance Warranty *

25 Years Linear Power 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. .

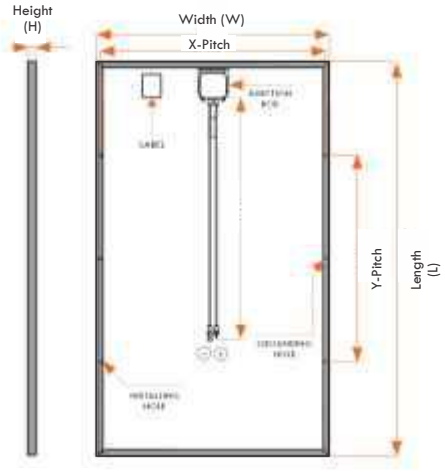
TECHNICAL DATA

ELECTRIC PARAMETERS

Electrical Parameters at Standard Test Conditions (STC)

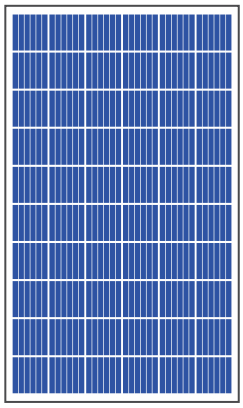
MODULES (SFTI)	60P 250	60P 255	60P 260	60P 265	60P 270	60P 275	60P 280	60P 285	60P 290	60P 295
Pmax (watts) (nominal)	250	255	260	265	270	275	280	285	290	295
Voltage at Pmax Vmp (V)	31.02	31.60	31.33	31.97	32.26	32.51	32.72	32.76	32.81	32.89
Current at Pmax Imp (A)	8.06	8.23	8.14	8.29	8.37	8.46	8.56	8.70	8.84	8.97
Open-circuit Voltage Voc (V)	36.30	37.14	36.72	37.44	37.74	37.92	38.22	38.60	38.92	39.08
Short Circuit Current Isc (A)	8.58	8.73	8.65	8.82	8.92	9.05	9.15	9.26	9.34	9.41
Module Efficiency (%)	15.35	15.97	15.66	16.27	16.58	16.89	17.20	17.50	17.81	18.12
X - Pitch (mm)	947									
Y - Pitch (mm)	800									
Module Dimensions L x W x H (mm)	1645 x 990 x 35									
Module Weight (kg)	18.20									

Dimensions



Side View Back View

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	60 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