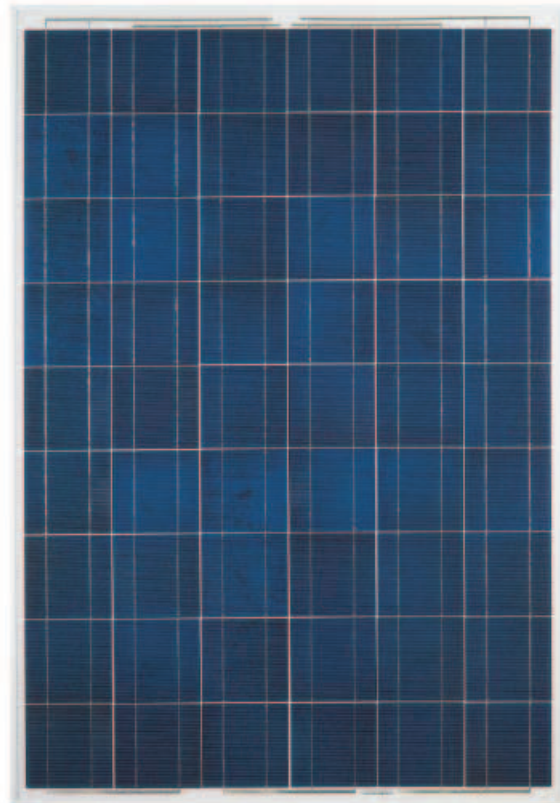


SF 190-27-P

Polycrystalline Cell
156mm x 156mm



Solarfun



Solarfun's photovoltaic modules offer high-powered, reliable performance for solar projects, both on- and off-grid.

The Solarfun Advantage

- 100% of cells are carefully manufactured by Solarfun Power, ensuring excellence at every step of production
- Rugged double-coated aluminum-alloy frame for longevity in adverse conditions
- Every cell is individually inspected and power-matched to ensure consistent performance between the cells in the module array
- Strictly adhering to ISO 9001 quality and ISO 14001 environmental standards

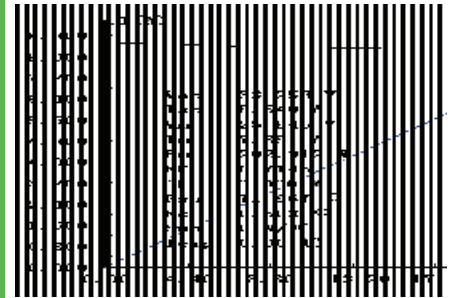


Electrical Characteristics

	P_{max}	170 W	175 W	180 W	185 W	190 W	195 W	200 W	205 W	210 W	215 W	220 W	225 W
Maximum Power	P_{max}	170 W	175 W	180 W	185 W	190 W	195 W	200 W	205 W	210 W	215 W	220 W	225 W
Open Circuit Voltage	V_{oc}	32.2V	32.3V	32.4V	32.5V	32.6V	32.7V	32.8V	32.9V	33.0V	33.1V	33.2V	33.3V
Short Circuit Current	I_{sc}	7.54A	7.64A	7.72A	7.80A	7.98A	8.06A	8.24A	8.35A	8.48A	8.54A	8.68A	8.75A
Maximum Power Voltage	V_{mp}	26.3V	26.4V	26.5V	26.6V	26.7V	26.8V	26.9V	27.0V	27.1V	27.2V	27.3V	27.5V
Maximum Power Current	I_{mp}	6.47A	6.63A	6.80A	6.96A	7.12A	7.28A	7.44A	7.60A	7.75A	7.91A	8.06A	8.18A
Module Efficiency (%)		11.4	11.7	12.1	12.4	12.7	13.1	13.4	13.7	14.0	14.4	14.7	15.1
Cell Efficiency (%)		13.0	13.4	13.7	14.1	14.6	15.0	15.4	15.8	16.2	16.5	16.9	17.3
Tolerance		+/- 3%											
Temperature Coefficients of (P / V / I)		-0.45%/K / -0.32%/K / +0.04% / K											
Maximum System Voltage (IEC / UL)		1000V / 600V											

Electrical characteristics tested at Standard Test Conditions (STC), defined as: Irradiance of 1000W/m², Spectrum AM 1.5, and Cell temperature of 25 ±2°C.

IV Curves

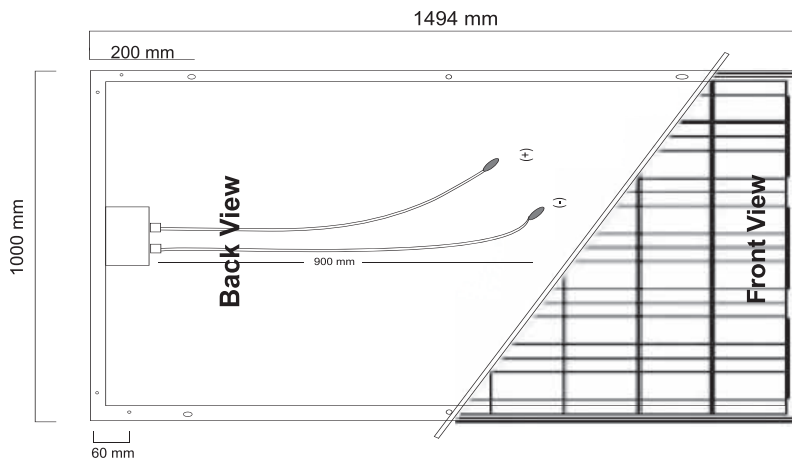


Mechanical Specifications

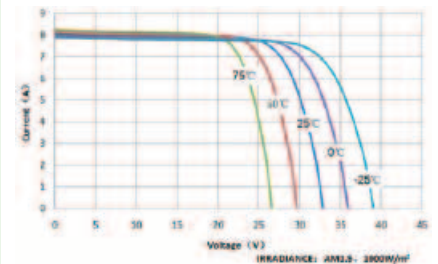
Dimensions	1494 × 1000 × 45 mm [58.8× 39.37× 1.77 in.]
Weight	18 kg [39.6 lbs.]
Frame	Aluminium-alloy
Packing Configuration	4 pcs per carton
Loading Capacity (40 ft container)	540 pcs

5 year workmanship and 90/10, 80/25 year power warranty.
For full details see the *Solarfun Limited Warranty* available on request.

Dimensions



Various Temperatures



Various Irradiance Levels

