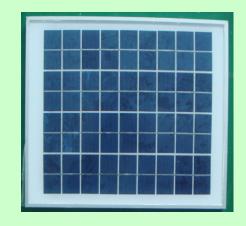
HIGH EFFICIENCY 20W PV MODULE

The Solar module SP-P20 is designed for use in residential and Commercial systems. Reduced voltagetemperature coefficient, exceptional lowlight performance and high sensitivity to light across the entire solar spectrum mean maximum yearly energy harvest.

Solar modules--innovative design, proven materials, outstanding performance



FEATURES & BENEFITS

- ★ Low voltage temperature coefficient enhances high-temperature operation
- ★ Highest quality,ligh-transmission temperad glass provides enhanced stiffness and impact resistance
- ★ Superior aesthetics, aerospace style cell inter connects with in-plane strain relief provide extremely high reliability
- backsheet meets the most stringent safety require ments for high-voltage operation
- ★ A sturdy frume allows modules to be easily roffmounted with a variety of standard mounting systems

SP-P20 HIGH EFFICIENCY PV MODULE

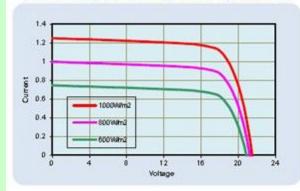
★ Advanced EVA encapsulation system with multi-layer Limited warranty for 90% performance assurance on 5 years, 80% performance assurance on 25 years. Junction Box is designed according to IP65.

SPECIFICATION

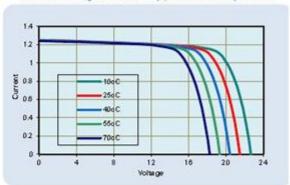
ITEM NO	SP-P20
MONO or POLY	MONO LIKE
Maximum power (Wp)	20W
Maximum power voltage (V)	17.3
Maximum power current (A)	1.16
Open circuit voltage (V)	21.6
Short circuit current (A)	1.23
Number of cells (Pcs)	36
Size of module (mm)	350*470*17mm
Maximum system voltage (V)	715
Temperature coefficients of Isc (%)	0.065+/-0.015%/℃
Temperature coefficients of Voc (%)	- (2.23+/-0.1) / °C
Temperature coefficients of Pm (%)	- (0.5+/-0.05) / °C
Temperature coefficients of Im (%)	+0.1/ ℃
Temperature coefficients of Vm (%)	-0.38/ ℃
Temperature Range	-40°C∼+85°C
Tolerance Wattage (e.g. +/-5%)	+/-5%
Surface Maximum Load Capacity	60m/s(200kg/sq.m)
Allowable Hail Load	steel ball fall down from 1m height
Weight per piece (kg)	2.5
Junction Box Type	GY-BOX-5C
Length of Cables (mm)	None
Cell Efficiency (%)	>15.5%
Module Efficiency (%)	>13.2%
Output tolerance (%)	+/-5%
Frame (Material, Corners, etc.)	Aluminum
Standard Test Conditions	AM1.5 100mw/cm² 25℃
Warranty	5 years product warranty and 25years 80% of power
FF (%)	

Electrical Output under Varying Light Intensity and Temperature

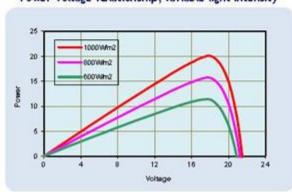
Current-Voltage Relationship, variable light intensity



Current-Voltage Relationship, variable temperature



Power-Voltage Relationship, variable light intensity



Power-Voltage Relationship, variable temperature

