

For a Free Quote:

Web: EnergyPal.com/solar

Call: 1-800-990-3725

Email: contact@energypal.com

EnergyPal

Solar Panel Guide Specification Data Sheet

First Sunergy LLC

S-270-290C

S-270C

Also available on the web at
EnergyPal.com/first-sunergy-llc-solar-panels/s-270c

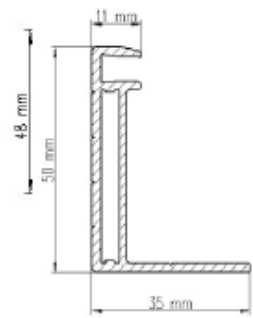
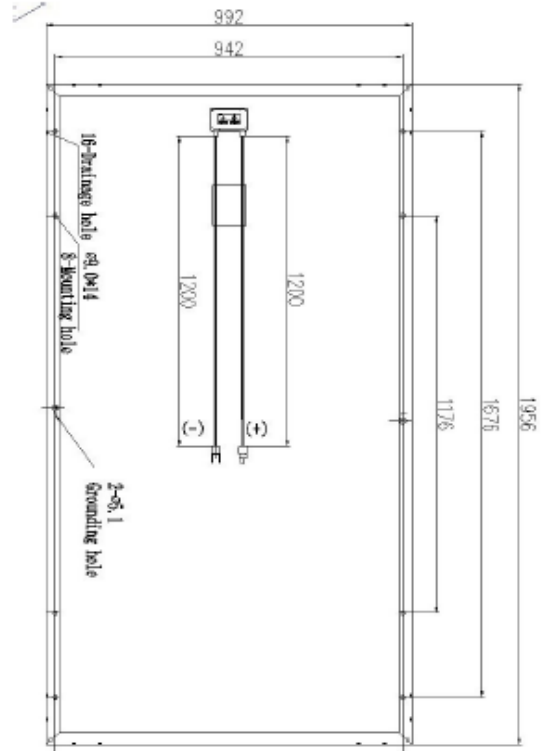
Saturday, January 22, 2011

STC	S-270C	S-275C	S-280C	S-285C	S-290C
Nominal peak power	270W	275W	280W	285W	290W
Open circuit voltage	44.5V	44.7V	44.9V	45.1V	45.3V
Max. power voltage	35.1V	35.6V	36.1V	36.5V	36.9V
Short circuit current	8.20A	8.27A	8.33A	8.42A	8.51A
Max. power current	7.69A	7.73A	7.76A <td 7.81A	7.86A	
module efficiency	13.9%	14.2%	14.4%	14.7%	15.0%
Power output tolerances	±3%				
Max. system voltage	1,000 VDC				
Max. series fuse rating	15A				
Operating temperature	- 40°C to + 85°C				
*Electrical parameters at STC (1,000 W/m ² , 25°C, AM 1.5 according to EN 60904-3)					

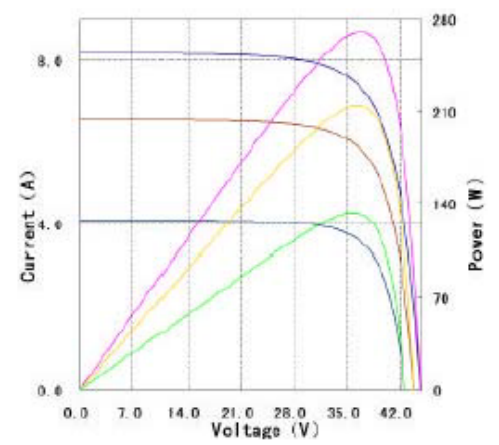
NOCT	S-270C	S-275C	S-280C	S-285C	S-290C
Nominal peak power	192W	196W	200W	203W	207W
Open circuit voltage	40.5V	40.7V	40.9V	41.0V	41.2V
Max. power voltage	30.9V	31.3V	31.8V	32.1V	32.5V
Short circuit current	6.64A	6.70A	6.75A	6.82A	6.89A
Max. power current	6.23A	6.26A	6.29A	6.33A	6.37A
NOCT	46°C ± 2°C				
*Electrical parameters at NOCT (800 W/m ² , 20°C, AM 1.5 according to EN 60904-3)					

Temperature coefficients		
γ_{Pm}		-0.47%/K
α_{Isc}		0.056%/K
β_{Voc}		-0.34%/K

Mechanical parameters	
Module dimension	1956*992*50(mm)
Weight	27.0kg
Max. wind Load	2400pa
Max. snow Load	5400pa
Cell dimension	156*156
Cell type	72(6*12) / monocrystalline
Packing method	330pcs/40'



Current, power VS voltage characteristics (solar irradiant 100%, 80%, 50%)



*Design and specifications are subject to change without notice.