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Solar Panel Guide Specification Data Sheet

First Sunergy LLC

S-225-245C

S-235C

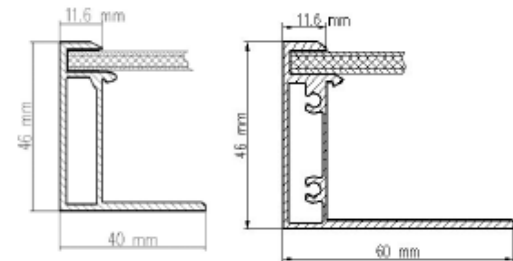
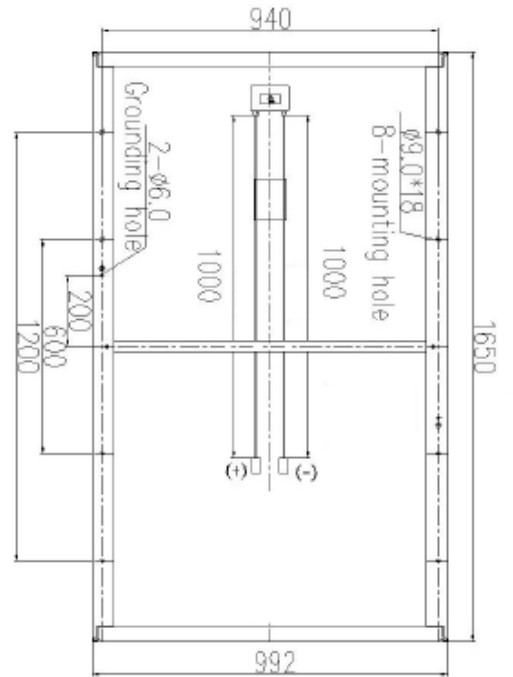
Also available on the web at
EnergyPal.com/first-sunergy-llc-solar-panels/s-235c

STC	S-225C	S-230C	S-235C	S-240C	S-245C
Nominal peak power	225W	230W	235W	240W	245W
Open circuit voltage	37.1V	37.3V	37.5V	37.7V	37.8
Max. power voltage	29.3V	29.7V	30.1V	30.4V	30.8V
Short circuit current	8.20A	8.27A	8.33A	8.45A	8.55A
Max. power current	7.68A	7.75A	7.81A <td 7.90A	7.96A	
module efficiency	13.8%	14.1%	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-225C	S-230C	S-235C	S-240C	S-245C
Nominal peak power	160W	164W	168W	171W	175W
Open circuit voltage	33.8V	33.9V	34.1V	34.3V	34.4V
Max. power voltage	25.8V	26.1V	26.5V	26.8V	27.1V
Short circuit current	6.64A	6.70A	6.75A	6.84A	6.93A
Max. power current	6.22A	6.28A	6.33A	6.40A	6.45A
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

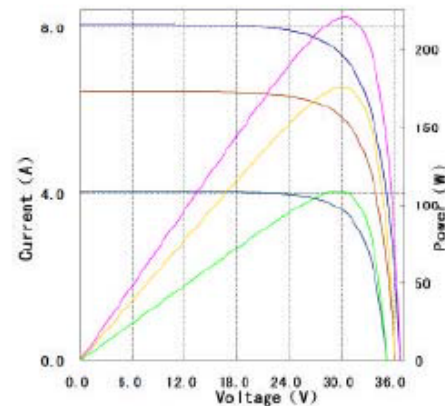
Mechanical parameters	
Module dimension	1650*992*46(mm)
Weight	23.0kg
Max. wind Load	2400pa
Max. snow Load	5400pa
Cell dimension	156*156
Cell type	60(6*10) / Monocrystalline
Packing method	546pcs/40'HC 390pcs/40'



SECTION B-B

SECTION A-A

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



*Design and specifications are subject to change without notice.