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Solar Panel Guide Specification Data Sheet

Soluciones Energeticas SA (Solener)

SR156P-130-140

SR156P-140

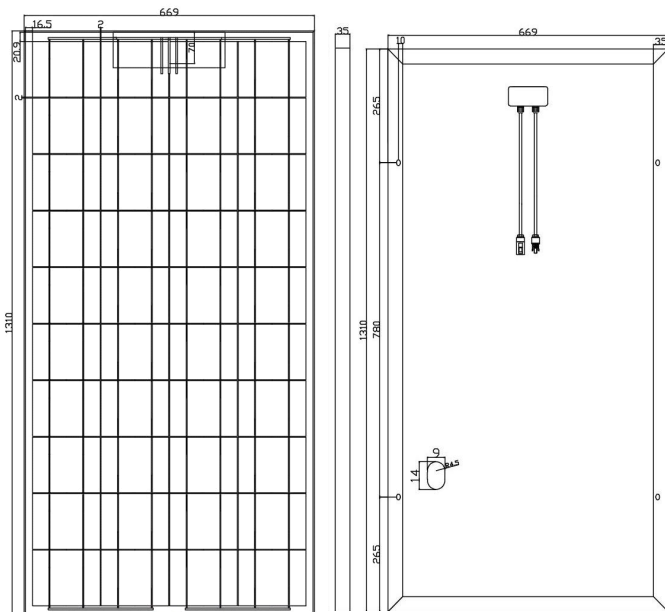
Also available on the web at

EnergyPal.com/soluciones-energeticas-sa-solener-solar-panels/sr156p-140

Electrical Characteristics

Characteristics	SR156P-140	SR156P-130
Maximum power at STC (Pmax)	140Wp	130Wp
Open-Circuit Voltage(Voc)	26.6V	26V
Optimum Operating Voltage(Vmp)	21.36V	21V
Short-Circuit Current (Isc)	6.65A	6.41A
Optimum Operating Current(Imp)	6.55A	6.19A
Module Efficiency	14.75%	14.75%
Solar Cell Efficiency	15.00%	15.00%
Operating Temperature	-40°C to + 85°C	
Maximum System Voltage	1000V DC	
Series Fuse Rating	16A	
Power Tolerance	±1.5%	

STC : Irradiance 1000W/m² , Module temperature 25°C,AM=1.5



Mechanical Characteristics

Solar cell	Poly -crystalline 156×156mm (6inch)
No. of cells	40(4×10)
Dimensions	1310×669×35mm
Weight	12 kg
Front Glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	PV-RH701 (TUV)

Temperature Coefficients

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Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-(0.47±0.05)%/°C
Temperature Coefficient of Voc	-(0.34±0.01)%/°C
Temperature Coefficient of Isc	-(0.055±0.01)%/°C

WARRANTY

Manufacturing	8years
Power production	90% =12 years 80% =25 years

ELECTRICAL CHARACTERISTICS

