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Amorphous Silicon Solar Cells

Model No.: KS-S149199S

ELECTRICAL CHARACTERISTICS

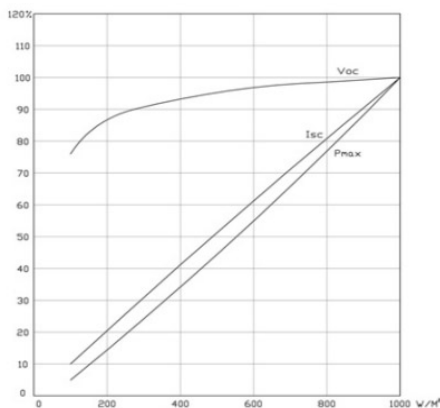
Cell Type	A-Si thin film solar module
Norminal Power	Pmax=1.08W
Open Circuit Voltage	Voc=12.8V
Short Circuit Current	Isc=183mA
Voltage at Pmax	Vm=9V
Current at Pmax	Im=121mA
Temp.Coefficient/Pm	-(0.19±0.03)%/°C
Temp.Coefficient/Vm	-(0.34±0.04)%/°C
Temp.Coefficient/Im	(0.08±0.02)%/°C

STANDARD TEST CONDITIONS(STC:Irradiance 1000W/m², Module temperature 25 degrees centigrade,AM 1.5)
Power Tolerance: ±5%

RELIABILITY STATISTICS

Operating Temperature Range	-40°C to +90°C
Humidity & Temperature Test	85°C & 85% humidity 1000h
Outstanding performance under low light irradiance	

PERFORMANCE & IRRADIANCE CURVE



PRODUCT DESIGN



ITEM NO: KS-S149199S-16N

H W T

149mm/5.87" 199mm/7.83" 3.2mm/0.12"

MECHANICAL SPECIFICATIONS

Dimensions(H*W*T) as above	149*199*3.2mm
Weight	239g
Front Cover	TCO Glass
Back Cover	PET
Frame	No
Output Lead Wire	Without solder wire, with solder pad

APPEARANCE SPECIFICATIONS

Delaminations or bubbles do not form a continuous path between any part of the electrical circuit and the edge of module
No any cracks, scratch or perforation in the glass or the backsheet

THE TECHNICAL FILES PROVIDED BY CHINA SOLAR LTD

Design and specifications are subject to change without notice

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