




## ACTON POWER CO.,LIMITED

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Product Name	250 Watts poly solar panel	
Solar cell spec	156*156 polycrystalline silicon solar cells.	
Frame(Material Corners,etc.)	Alumnnium-alloy	
Backing (Brand Type)	TPT	
Glass	3.2mm tempered glass	
Output cable	900mm <sup>2</sup> symmetrical 1000mm	
Connector	MC4 compatible IP67	
Specifications	PV module with 250W maximum power	
No.of cells and connections	60 series	
Application	solar system	
Max. system voltage	1000V DC	
Power tolerance	±3%	
Surface max. load capacity	wind load:2400Pa	
Weight	18.5KG	
Dimensions	1640mm*992mm*40mm	
<b>Electrical characteristics:</b>		Photo
Open circuit voltage(V):	37.6V	
Short circuit current(A):	8.85A	
Max. power voltage(V):	30.1V	
Max. power current(A):	8.31A	
Temperature coefficients of Isc(%):	0.10/°C	
Temperature coefficients of Voc(%):	-0.33/°C	
Temperature coefficients of Pm(%):	-0.23/°C	
Temperature coefficients of Imp(%):	0.08/°C	
Temperature coefficients of Vmp(%):	-0.33/°C	
Cell efficiency(%):	≥17%	
FF(%):	77%	
Conditions (STD):		
Irradiance:	1000W/M <sup>2</sup>	
Temperature:	25°C	
Standard Test Conditions	AM1.5 1000W/m <sup>2</sup> 25 +/-2°C	
Warranty      10 years warranty,	90% of 10 years,80% of 25 years.	
Absolute maximum rating:		
Operating temperature:	-40°C to +80°C	
Storage temperature:	-40°C to +80°C	
Packing:	56pcs/pallet; 784pcs/40HQ	
Certificate	TUV,CE	