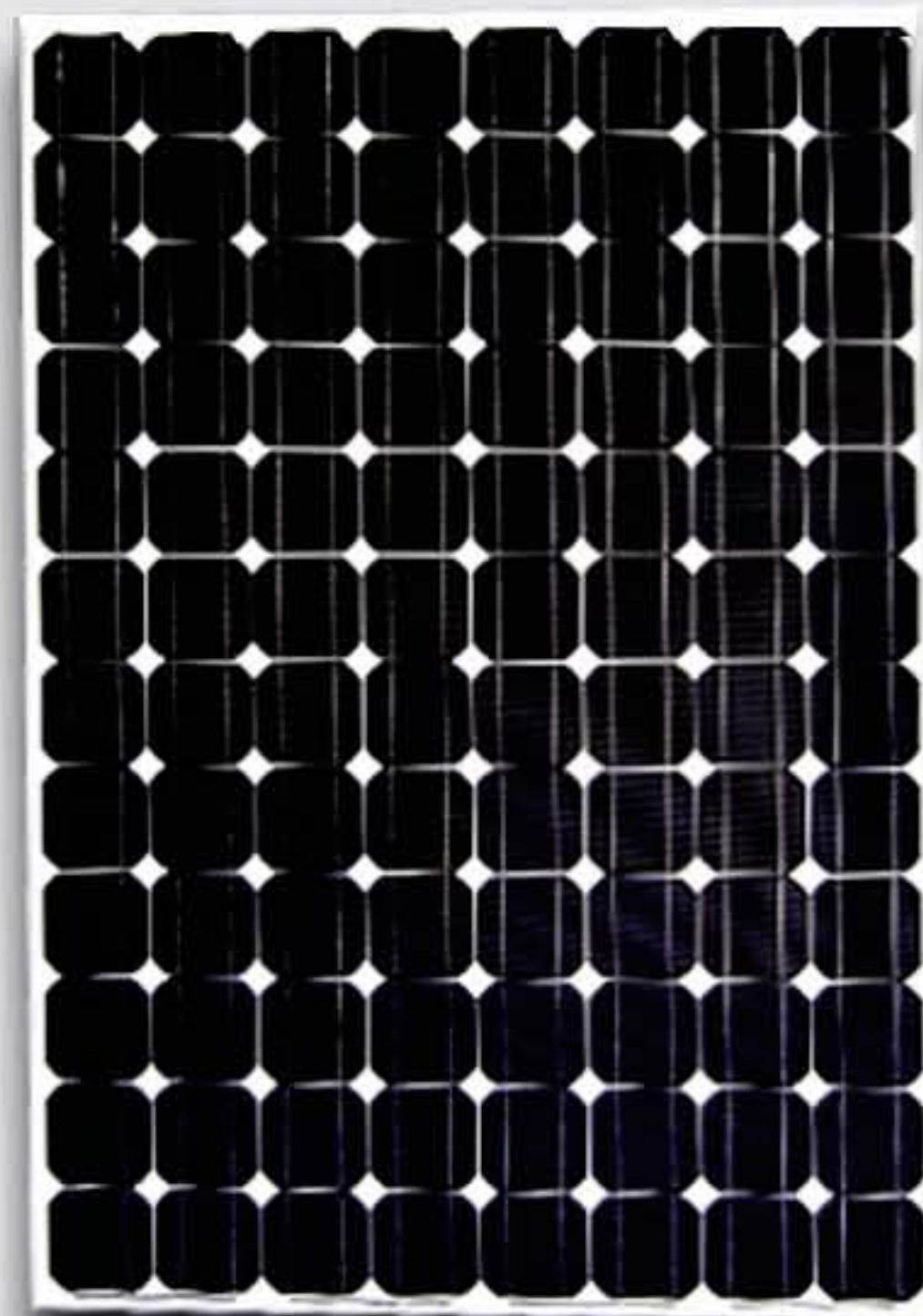


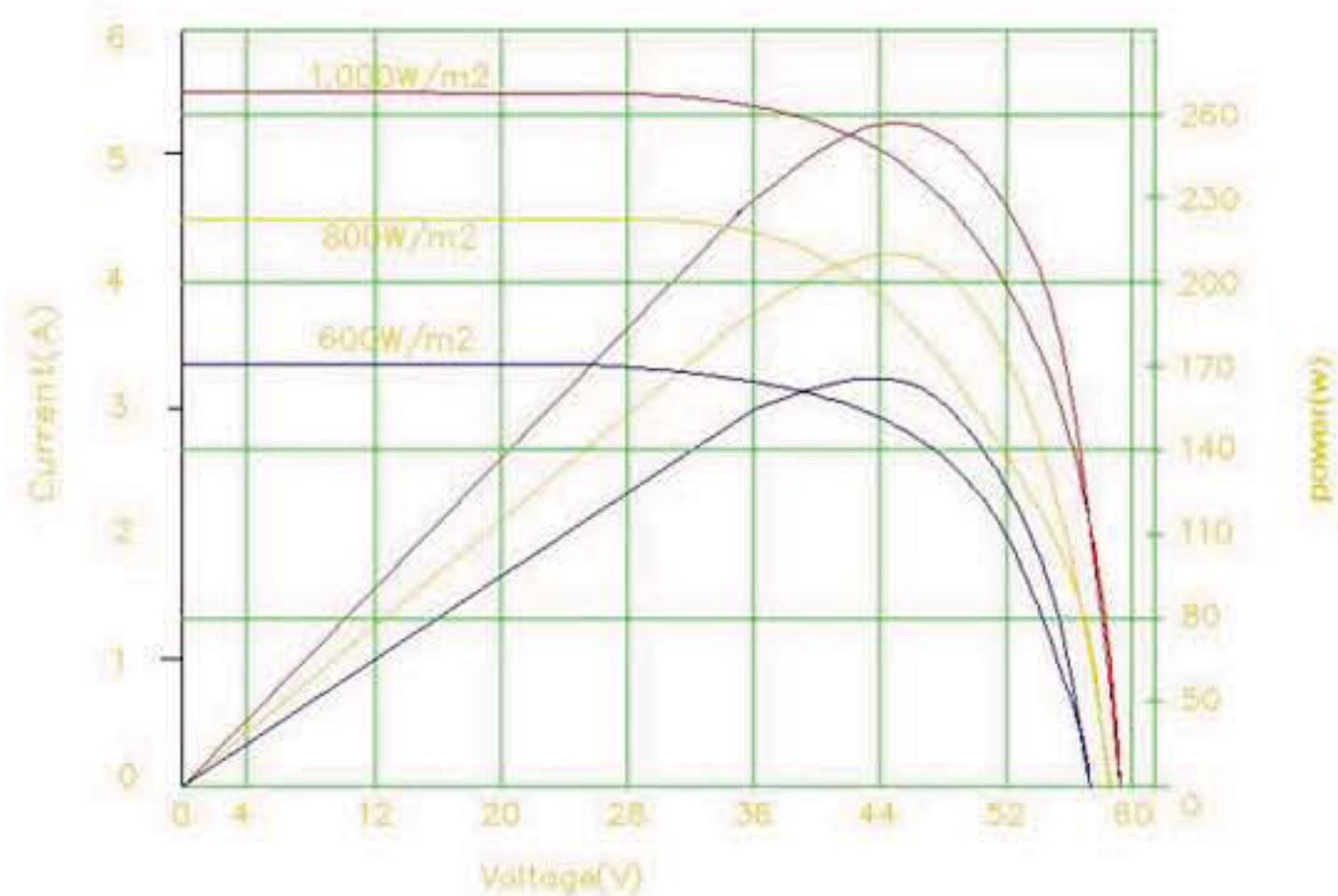
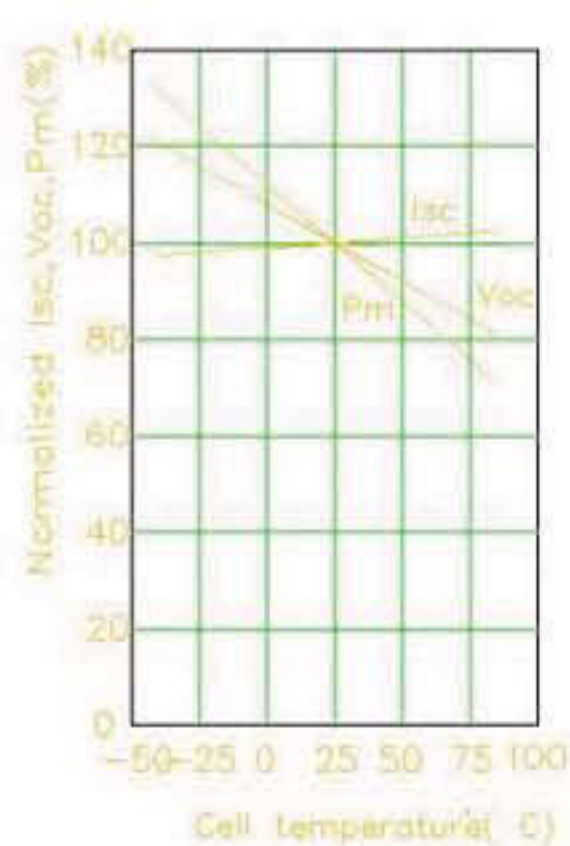
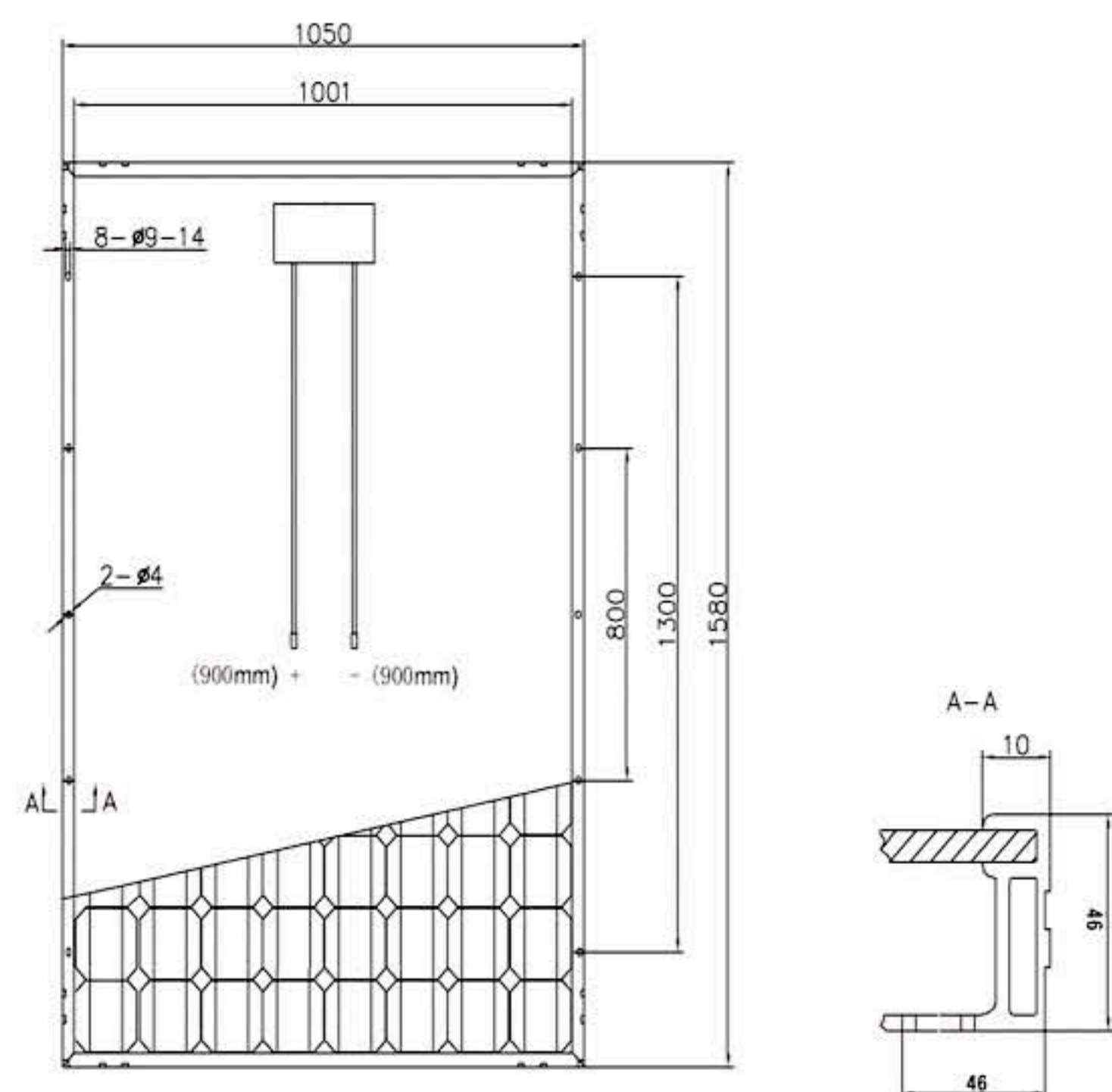
250 w

Monocrystalline Solar Panel

Features

- +/- 3% power tolerance;
- Quality supervision procedure is strictly implemented and test result of detailed current and voltage is supplied;
- Glass have self-cleaning ability, reducing the probability of generating efficiency cause by dust;
- Low working temperature of standard battery and excellent dim light property;;
- All the solar panels have passed the test of mechanical loading, able to resist against the abominable and high-load working environment;
- Able to supply multi-specification and high-quality solar panels with an output power of 2w-300w, suitable for on/off grid applications;
- Many international certifications and tests have been passed;
- 25-year output power guarantee period, 5-year product quality guarantee period.





Electrical Characteristics

Type	SA235-96	SA240-96	SA245-96	SA250-96
Maximum power (Wp)	235Wp	240Wp	245Wp	250Wp
Maximum power voltage (V)	48.00	48.00	48.00	48.00
Maximum power current (A)	4.90	5.00	5.10	5.21
Open circuit voltage (V)	57.60	57.60	57.60	57.60
Short circuit current (A)	5.29	5.40	5.50	5.62
Cell Efficiency (%)	16.50%	16.75%	17.10%	17.50%
FF (%)	≥74%			
Maximum system voltage (V)	1000V			
Temperature Range	-40°C to +85°C			
Power tolerance (%)	±3%			
Standard Test Conditions	1000W/m ² , AM1.5 , 25°C			

Mechanical Characteristics

Solar cell	Mono	Mono	Mono	Mono
Number of cells (Pcs)	96(8*12)			
Size of module (mm)	1580*1050*46mm			
Weight per piece (kg)	19.5			
Front Glass	3.2 mm tempered glass			
Surface Maximum Load Capacity	60m/s(200kg/sq.m)			
Allowable Hail Load	steel ball fall down from 1m height			
Frame	Anodized aluminium alloy			
Junction Box Type	IP65 rated			
Connectors	MC Plug Type IV connectors			
Cables	4.0mm ² , 900mm			

Temperature coefficients

Nominal Operating Cell Temperature	45±2°C
Temperature coefficients of Voc (%)	β -2.2mV/°C
Temperature coefficients of Pm (%)	γ -0.55%/°C
Temperature coefficients of Im (%)	α 0.03%/°C
Temperature coefficients of Vm (%)	β -2.2mV/°C