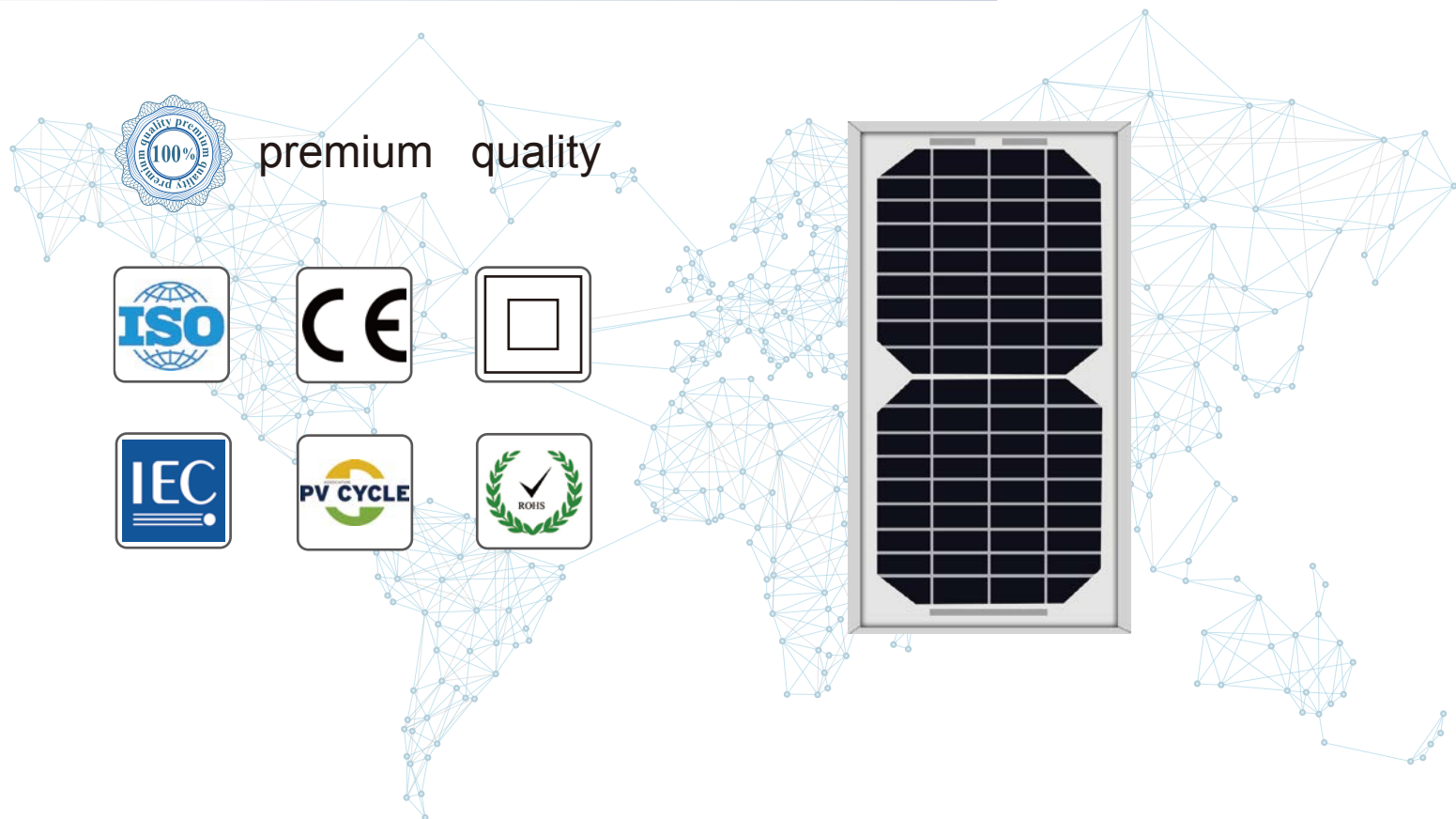
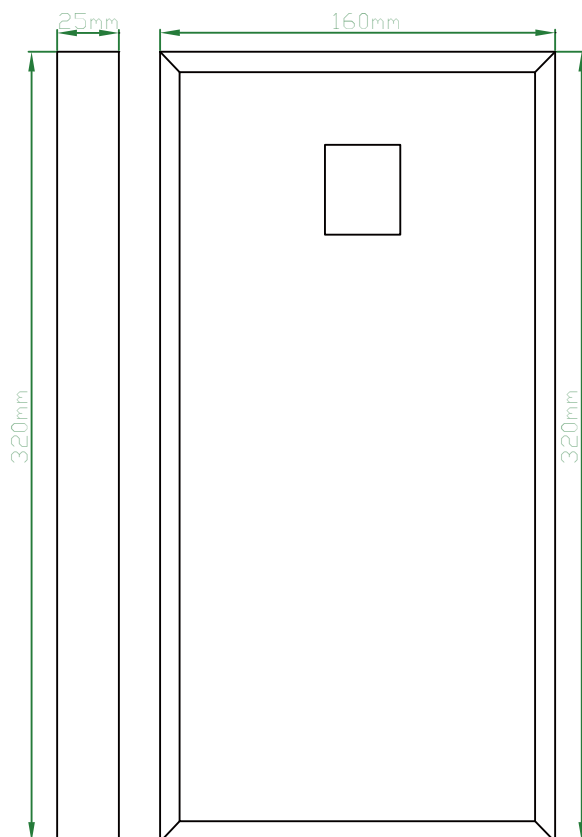


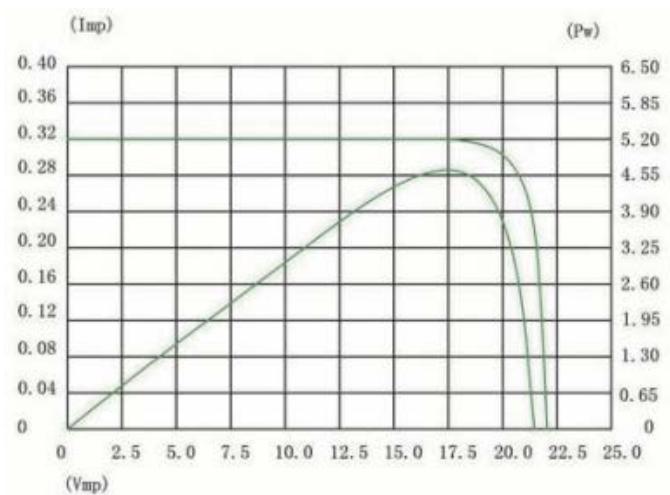
HYA005-12M 5w



Size



I-V Characteristics Curve



Application Scope

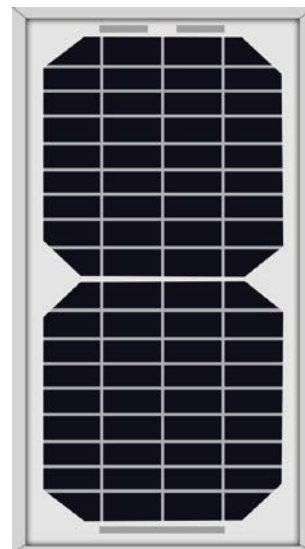
- Courtyard lighting.
- Small household lighting system.
- Street lighting.
- Portable solar power.
- All small power electrical devices & small PV system.

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HYA005-12M 5w

Mechanical Characteristics

Type of cell	2PCS/Monocrystalline/125mm
Cells Number	2pcs
Dimensions	320x160x25mm
Weight	1.0Kg
Front Glass	Low-Iron Tempered Glass
Frame	Aluminium Alloy
Encapsulation	Glass/EVA/Cells/EVA/TPT
Relative Humidity	0 to 100%
Resistance	227g steel ball fall down from 1m height and 60m/s wind
Snow load parameters	2400Pa



Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)	45 °C ± 5 °C
Temperature Coefficient of Pmax	-(0.410 ± 0.05)%/K
Temperature Coefficient of Voc	-(0.320 ± 0.01)%/K
Temperature Coefficient of Isc	-(0.050 ± 0.05)%/K
Maximum Series Fuse/current rating	10A

Electrical Characteristics

Characteristics	5W
Open-Circuit Voltage(Voc)	21.4V
Optimum Circuit Voltage(Vmp)	18V
Short-Circuit Current(Isc)	0.31A
Optimum Circuit Current(Imp)	0.28A
Maximum Power at STC(Pmax)	5W
Module Efficiency	17.8%
Operating Temperature	-40 °C to +85 °C
Maximum System Voltage	1000V DC
Power tolerance	± 3%
STC: Irradiance 1000W/ m², Module temperature 25 °C, AM=1.5	

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