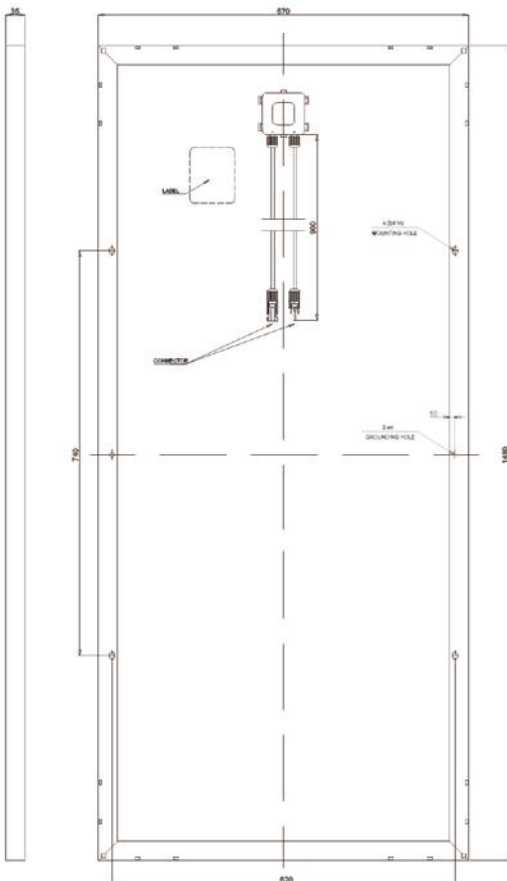


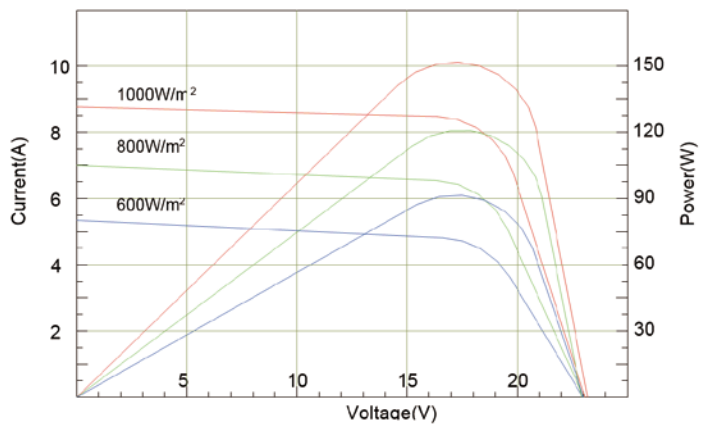
HYD150-12P 150w



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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HYD150-12P 150w

Mechanical Characteristics

Type of cell	Poly-Crystalline 156x156mm
Cells Array and Number	4x9(36pcs)
Dimensions	1480x670x35mm
Weight	12.5Kg
Front Glass	3.2mm Tempered Glass
Frame	Anodized 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	145W	150W	155W	160W
Open-Circuit Voltage(Voc)	22.07V	22.32V	22.61V	22.68V
Optimum Circuit Voltage(Vmp)	17.80V	18.00V	18.25V	18.29V
Short-Circuit Current(Isc)	8.72A	8.91A	9.08A	9.36A
Optimum Circuit Current(Imp)	8.15A	8.33A	8.49A	8.75A
Maximum Power at STC(Pmax)	145W	150W	155W	160W
Module Efficiency	14.62%	15.12%	15.63%	16.13%
Operating Temperature	-40 C to +85 C			
Maximum System Voltage	1000V DC			
Power tolerance	± 3%			
STC: Irradiance 1000W/ m ² , Module temperature 25 C, AM=1.5				

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