

## FEATURES

- N-Type TOPCon 16 Buss Bar Solar Cells Configuration
- Lightweight anodized aluminum frame
- High transmission, AR (anti-reflective) coated tempered glass
- Plug and play junction box Industry standard quickconnect cables (MC4) work in series or in parallel
- Highly reliable due to stringent quality control (Over 30 in-house tests (UV, TC, HF, and many more), PID resistant, 100% EL double inspection)
- Certified to withstand challenging environmental conditions (2400 Pa wind load, 5400 Pa snow load, 35 mm hail stones at 97 km/h)
- Excellent low light performance on cloudy days, mornings and evenings

## INSTALLATION

- Easy installation and handling for various applications (high-end off-grid and mobile applications)
- Pre-drilled holes compatible with ground mounts, Z brackets, pole mounts and tilt mounts
- Compatible with on-grid and off-grid inverters

## WARRANTY

- 25 year limited power output



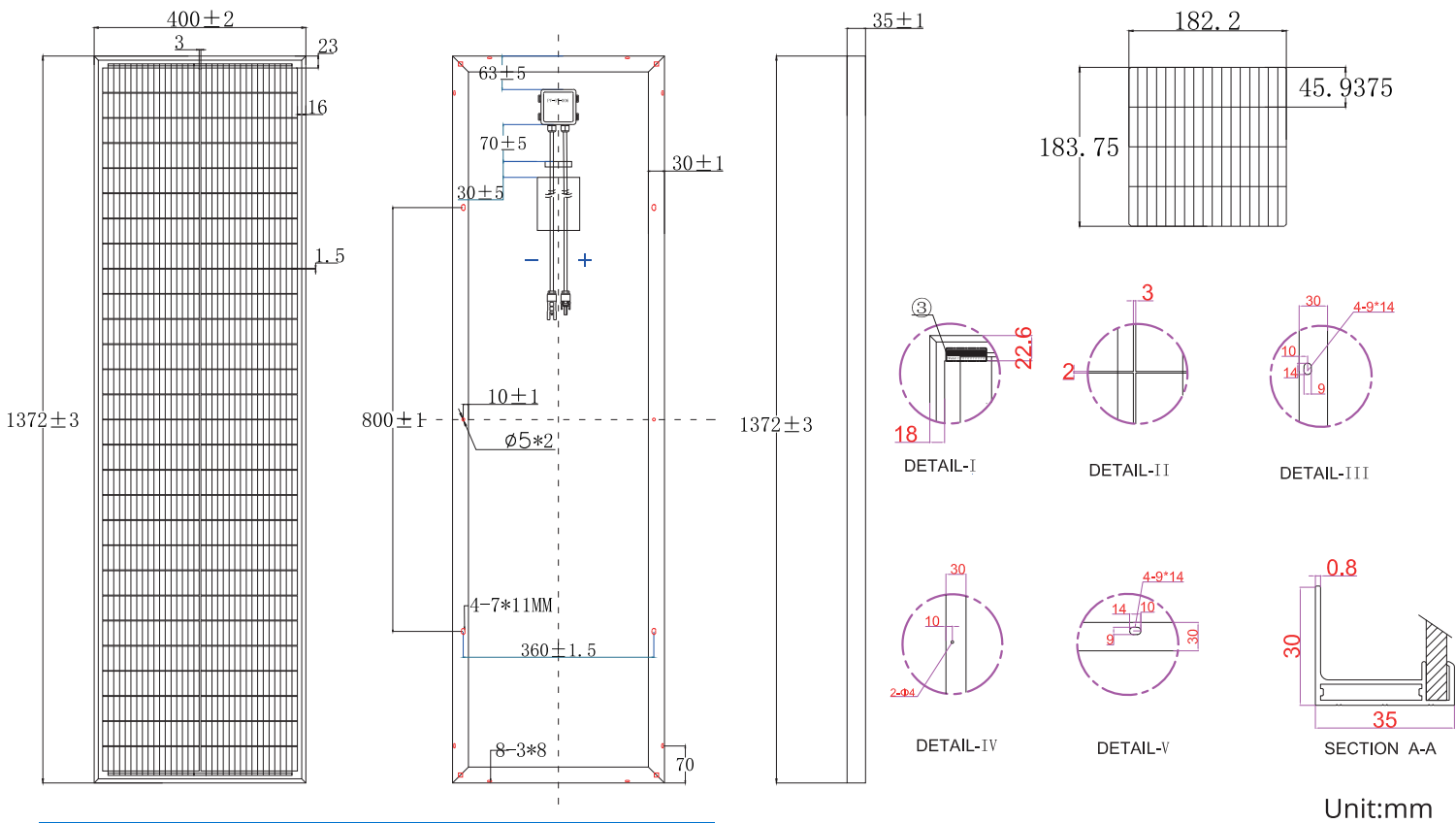
Model Type	HY100-12MBS
Peak Power Watts- $P_{MAX}$ (Wp)	100W
Power Output Tolerance- $P_{MAX}$ (W)	0~+5%
Maximum Power Voltage- $V_{MPP}$ (V)	16.8V±5%
Maximum Power Current- $I_{MPP}$ (A)	6.1A±5%
Open Circuit Voltage- $V_{OC}$ (V)	20.16V±5%
Short Circuit Current- $I_{SC}$ (A)	6.44A±5%
Module Efficiency $\eta_m$ (%)	25.4%
STC: Irradiance 1000W/m <sup>2</sup> , Cell Temperature 25°C, Air Mass AM1.5	
NOCT (Nominal Operating Cell Temperature)	45°C (±2°C)
Temperature Coefficient of $P_{MAX}$	-0.39%/°C
Temperature Coefficient of $V_{OC}$	-0.29%/°C
Temperature Coefficient of $I_{SC}$	0.05%/°C
Operational Temperature	0.05%/°C
Maximum System Voltage	1000V
Maximum Series Fuse Rating	15A

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## MECHANICAL CHARACTERISTICS & PACKAGING

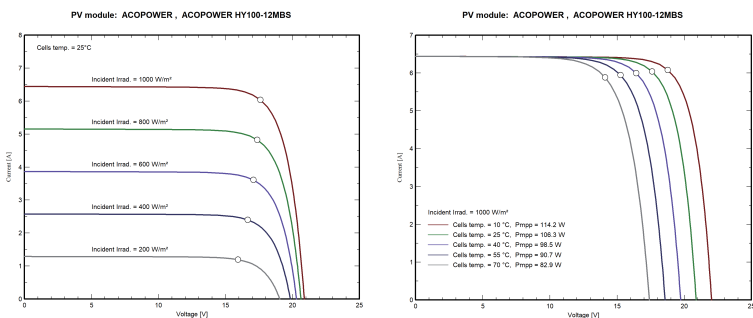
Solar Cells	N-Type TOPCon 7.2x 1.8 in (182 × 45.5 mm)
Cell Orientation	56 cells(2x28)
Module Dimensions	54.0*15.7*1.4in(1372*400*35mm)
Weight	5.8 Kg/12.8 lbs
Glass	3.2 mm (0.13 inches), High Transmission, AR Coated Tempered Glass
Backsheet	Black
Frame	Anodized Aluminium Alloy
Junction Box	IP67 rated
Cables	Photovoltaic Technology Cable 4.0mm <sup>2</sup> (#12 gauge) 35 inches (900 mm) Length
Connector	Solar Connectors

## DIMENSIONS



Unit:mm

## CURVE CHARACTERISTICS



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