

# MSD120-400W

Mono Half-cut single/Double Glass Module

## INTRODUCTION

MONO half-cut single glass module, assembled with multi-busbar PERC technique and half-cut structure, offer the advantages of higher power output, reduce shading effect on the energy generation, enhance the mechanical load bearing capacity as well.

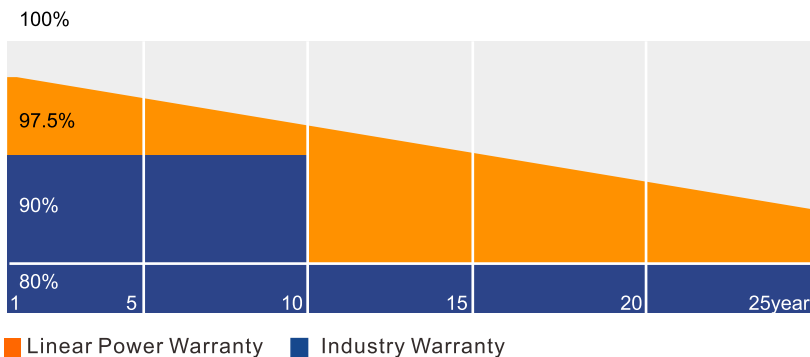


## LCOE save 6-8%

- ↓6% Saving logistics cost
- ↓7% Saving cable cost
- ↓8% Saving bracket cost
- ↓9% Saving labor cost

### First-class Quality Assurance

- 10-year warranty for material and technology
- 25-year linear power output warranty

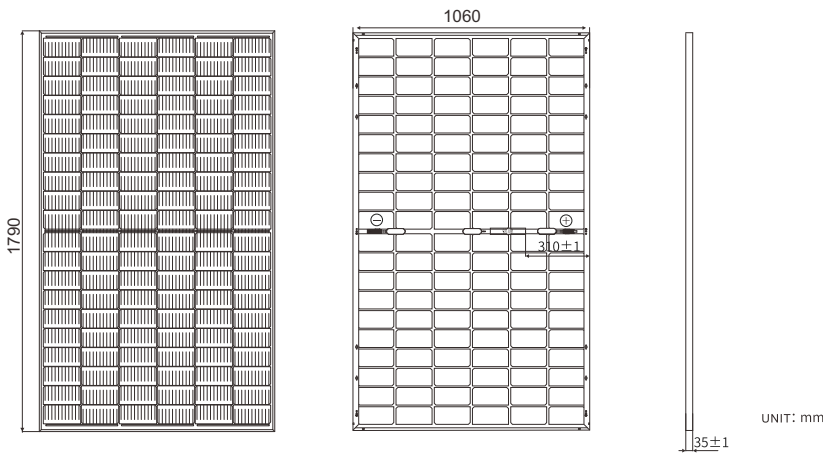


### Comprehensive Certificates

- IEC61215, IEC61730
- ISO9001:2015 Quality management systems
- ISO45001: Environmental management systems
- ISO45001:2018 Occupational health and safety management systems



**Mechanical Diagrams**



PS: Frame color and cable length can be customized

**Specifications**

Cell	Mono
Product power	400W
Weight	20KG
Dimensions	1790*1060*35MM
Solar Cells	120(6X20)
Front glass	Low iron ultra-white tempered glass
Metal frame	Anodized aluminum alloy
Junction Box	IP67 rating
Output cable	4mm <sup>2</sup> , 30mm cable + MC4 connector

**Electrical Parameters at STC**

Type	MSD120-400W
Rated Maximum Power (Pmax)[W]	400Wp
Open Circuit Voltage (Voc)[V]	41V
Maximum Power Voltage (Vmp)[V]	35V
Short Circuit Current (Isc)[A]	12.2A
Maximum Power Current (Imp)[A]	11.4A
Power Tolerance	0~ +3%
Temperature Coefficient of Isc( $\alpha_{Isc}$ )	-0.398%/°C
Temperature Coefficient of Voc ( $\beta_{Voc}$ )	-0.340%/°C
Temperature Coefficient of Pmax( $\gamma_{Pmp}$ )	-0.0576%/°C

STC Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM1.5

\*Standard test conditions: solar irradiance 1000 W/m<sup>2</sup>, solar spectrum 1.5AM and cell temperature 25°C.

**I-V Curve**

