

Monocrystalline

# KD-M510-210\*210-150MH

Rated Power 510W



### MBB Cell

New circuit design, lower internal current, lower internal resistance loss.



### Higher Output Power

Module adopts 150 pcs of 210\*210mm half cells, the maximum power can reach 510W.



### Harsh Environmental Adaptability

Strict salt spray and ammonia corrosion test by TUV .



### Low Light Features

Higher performance under low light environment.



### PID Protection

Ensure the attenuation probability caused by PID phenomenon is minimized.



### Load Capacity

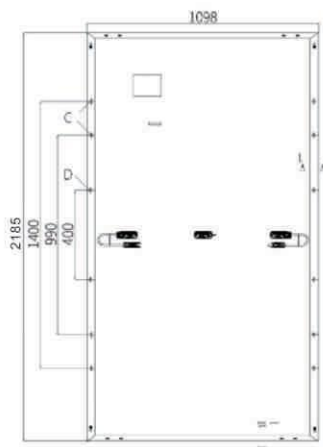
Mechanical load tests including wind load 2400 Pa and snow load 5400 Pa done by TUV .



12+ Material & Workmanship warranty

25+ Linear power output warranty

## MECHANICAL DIAGRAMS



## SPECIFICATIONS

Weight	26.3kg
Dimensions	2185mm*1098mm*35mm
Cell Dimensions	210*210mm
Cell Amount	5*30 pcs
Maximum System voltage	1500V
Junction Box	Ip68
Frame	Aluminum Alloy
Cable	4mm <sup>2</sup> , Landscape: N 1100mm/P 1100mm Portrait: N 300mm/P 300mm
Connector	Mc4 compatible
Application Level	Class A

## ELECTRICAL PARAMETERS AT STC & NOCT

Power	510W	385 W
Open Circuit Voltage	52.1V	49.2 V
Short Circuit Current	12.42A	9.99 A
Maximum Power Voltage	43.2V	40.8V
Maximum Power Current	11.81A	9.49A
Module Efficiency	21.3%	

\* Under Standard Test Condition(STC) of irradiance of 1000W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C

\* Under Nominal Module Operating Temperature(NMOT) irradiance of 800W/m<sup>2</sup>, spectrum AM 1.5, ambient temperature 20°C, wind speed 1m/s

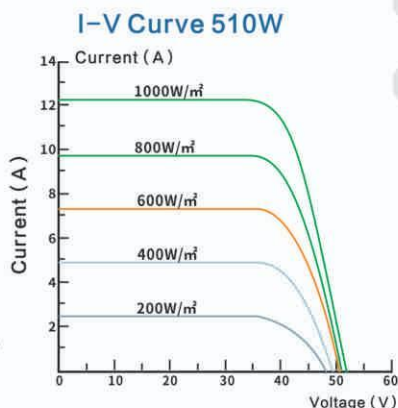
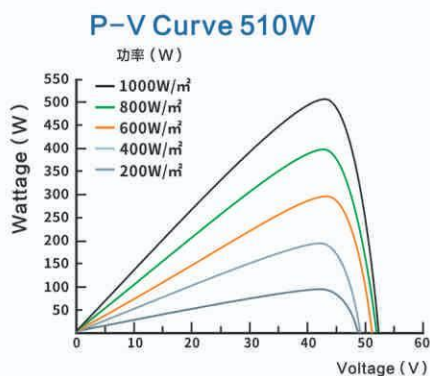
## TEMPERATURE CHARACTERISTICS

NMOT	45±2°C	Temp Coefficient of ISC	+0.05%/°C
Temp Coefficient of VOC	-0.28%/°C	Temp Coefficient of Pmax	-0.36%/°C

## PACKING CONFIGURATION

Modules/Pallet	30PCS, 24PCS	Modules/40HQ	648PCS
Packing description	Total 20*30+2*24=648PCS		

## CHARACTERISTICS



## MAXIMUM RATING

Output Tolerance	0~+5W
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa
Fuse Current	20A

