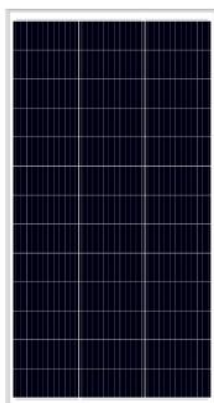


**12 YEARS**  
Guarantee on product material and workmanship

**25 YEARS**  
Linear Power output warranty

**STC irradiance**  
STC irradiance 1000W/m<sup>2</sup>  
Cell Temperature 25 °C AM=1.5

**NOCT irradiance**  
NOCT irradiance 800W/m<sup>2</sup>  
Ambient Temperature 20 °C AM=1.5

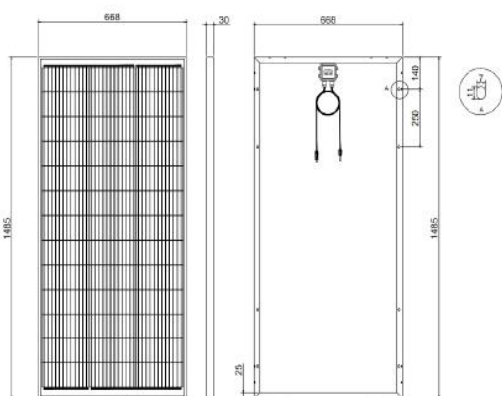


## MECHANICAL CHARACTERISTICS

Cell Type	210x105Mono
No. of Cells	39(3x13)
Dimensions	1485*668*30mm
Weight	10.5kg
Front Glass	3.2mm high transmission low iron, tempered glass
Frame	Anodized Aluminium Alloy
Junction box	IP65/IP67
Output cables	2.5mm <sup>2</sup> cable 50cm+mc4
MaxWind Load/Snow Load	2400Pa/5400Pa

## TEMPERATURE & MAXIMUM RATING

Maximum System Voltage(V)	1000
Maximum Series Fuse Rating(A)	10
Power Tolerance	0~+3%
Pmax Temperature Coefficients(W/ °C)	-0.350%
Voc Temperature Coefficients(V/ °C)	-0.270%
Isc Temperature Coefficients(A/ °C)	+0.048%
NOCT Nominal Operating Cell Temperature(°C)	45±2
Operating and Storage Temperature(°C)	-40~+85



## ELECTRICAL DATA(STC)

Model Type	SP180M-39	SP190M-39	SP200M-39
Peak Power(Pmax)	180	190	200
Maximum Power Voltage(Vmp)	21.79	21.86	22.45
Maximum Power Current(Imp)	8.27	8.7	8.91
Open Circuit Voltage(Voc)	24.37	25.62	26.01
Short Circuit Current(Isc)	8.72	9.19	9.41
Module Efficiency(%)	18.14	18.87	20.8

\* STC: irradiance 1000 W/m<sup>2</sup>, AM 1.5G, and cell temperature of 25°C

## PACKING WAY

20FT	7Packages/672PCS
40HQ	15Packages/1560PCS

