



# SOLAR PLUS

SP-M10/32H

# CYGNUS

PERC Monofacial

# 115-120W



**HIGH EFFICIENCY**



**EXCELLENT MECHANICAL RELIABILITY**



**PASS EXTREME TESTING**



**EASY TO SETUP**

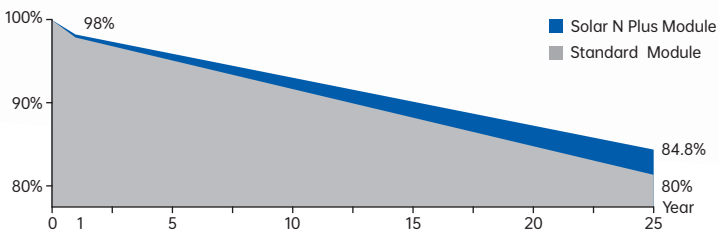
## WARRANTY



Guarantee on product material and workmanship



Linear power output warranty



## CERTIFICATION



- ISO 9001: 2015/quality management system
- ISO 14001: 2015/environment management system
- ISO 45001: 2018/occupation health safety management system

# 115-120W SP-M10/32H

## ELECTRICAL CHARACTERISTICS (STC)

Maximum Power (Pm)	W	115	120
Power Tolerance	W	0~+5	
Maximum Power Voltage (Vm)	V	18.44	18.70
Maximum Power Current (Im)	A	6.24	6.42
Open Circuit Voltage (Voc)	V	22.02	22.29
Short Circuit Current (Isc)	A	6.69	6.81
Module Efficiency ( $\eta_m$ )	%	18.68	19.48

STC:AM=1.5, irradiance=1000W/m<sup>2</sup>, module temperature=25°C

## MECHANICAL SPECIFICATIONS

External Dimension (L×W×H)	804×766×35mm		
Solar Cells	32 (4x8)/10BB Mono/182×91mm		
Weight	7.9kg		
Glass	3.2mm AR-coating heat-strengthened glass		
Frame	Anodized aluminum alloy, silver color		
Junction Box	IP68		
Output Cables	4mm <sup>2</sup> , 300mm or customized length		
Connector	MC4 Compatible		

## APPLICATION CONDITIONS

Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	15A
Operating Temperature	-40°C ~ +85°C
Mechanical Load	5400Pa/2400Pa
Hail Test	25mm diameter hail at 23m/s
Application Rating	Class A

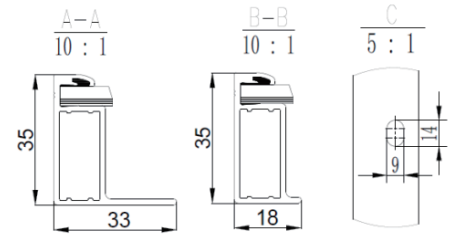
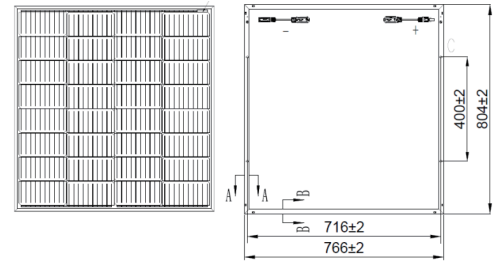
## TEMP CHARACTERISTICS

Nominal Module Operating Temperature	45±2°C
Temperature Coefficient of Power	-0.35%/°C
Temperature Coefficient of Voltage	-0.28%/°C
Temperature Coefficient of Current	0.05%/°C

## PACKING CONFIGURATION

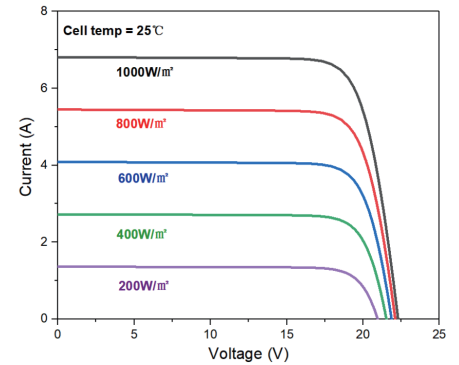
Container	40'HC
Module per box	31 Pieces
Packaging Box Size	834×1140×900mm
Module per Container	1736 Pieces

## TECHNICAL DRAWING

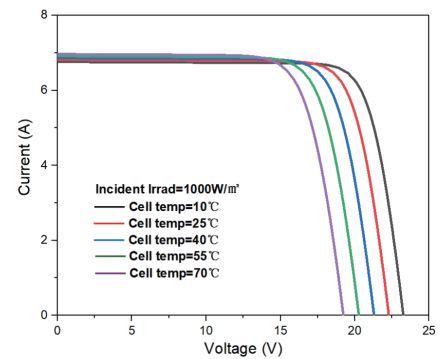


## I-V CURVE

I-V characteristics at different irradiance (SP-M10/32H120W)



I-V characteristics at different temperatures (SP-M10/32H120W)



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