



# SOLAR PLUS

SP-M10/64H

# CYGNUS

## PERC Monofacial

# 235-245W



**HIGH EFFICIENCY**



**EXCELLENT MECHANICAL RELIABILITY**



**PASS EXTREME TESTING**



**EASY TO SETUP**

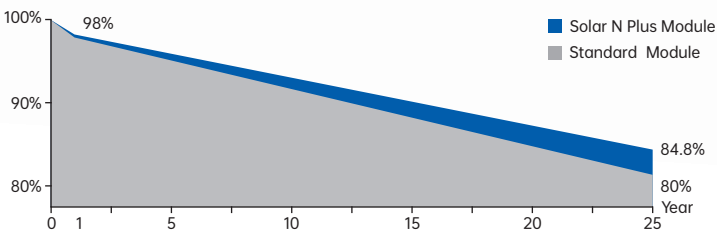
### WARRANTY



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

# 235-245W **SP-M10/64H**

## ELECTRICAL CHARACTERISTICS (STC)

Maximum Power (Pm)	W	235	240	245
Power Tolerance	W		0~+5	
Maximum Power Voltage (Vm)	V	36.84	37.06	37.28
Maximum Power Current (Im)	A	6.38	6.43	6.57
Open Circuit Voltage (Voc)	V	43.85	44.07	44.29
Short Circuit Current (Isc)	A	6.78	6.85	6.91
Module Efficiency ( $\eta_m$ )	%	19.84	20.27	20.69

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

## MECHANICAL SPECIFICATIONS

External Dimension (L×W×H)	1546×766×35mm		
Solar Cells	64 (4×16)/10BB Mono/182×91mm		
Weight	13.6kg		
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

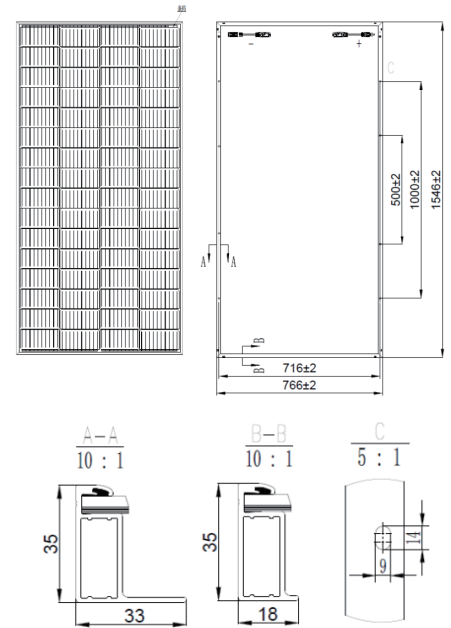
## TEMP CHARACTERISTICS

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

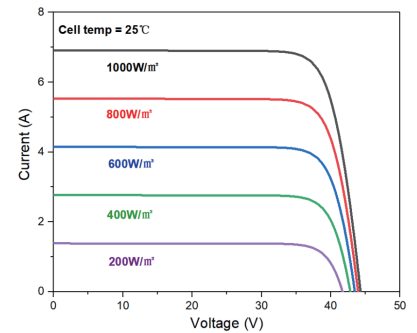
Container	40'HC
Module per box	31 Pieces
Packaging Box Size	1576×1140×900mm
Module per Container	868 Pieces

## TECHNICAL DRAWING

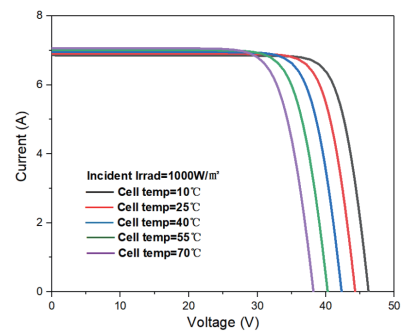


## I-V CURVE

I-V characteristics at different irradiance (SP-M10/64H245W)



I-V characteristics at different temperatures (SP-M10/64H245W)



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