



SOLAR PLUS

SP-M10/40H

CYGNUS

PERC Monofacial

145-150W



HIGH EFFICIENCY



EXCELLENT MECHANICAL RELIABILITY



PASS EXTREME TESTING



EASY TO SETUP

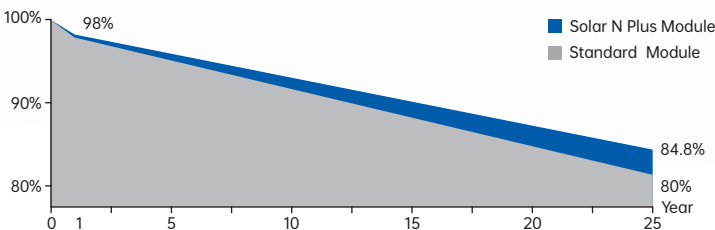
WARRANTY



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

145-150W SP-M10/40H

ELECTRICAL CHARACTERISTICS (STC)

Maximum Power (Pm)	W	145	150
Power Tolerance	W	0~+5	
Maximum Power Voltage (Vm)	V	23.08	23.32
Maximum Power Current (Im)	A	6.28	6.43
Open Circuit Voltage (Voc)	V	27.58	27.81
Short Circuit Current (Isc)	A	6.80	6.85
Module Efficiency (η_m)	%	19.12	19.78

STC:AM=1.5, irradiance=1000W/m², module temperature=25°C

MECHANICAL SPECIFICATIONS

External Dimension (L×W×H)	990×766×35mm		
Solar Cells	40 (4x10)/10BB Mono/182×91mm		
Weight	8.3kg		
Glass	3.2mm AR-coating heat-strengthened glass		
Frame	Anodized aluminum alloy, silver color		
Junction Box	IP68		
Output Cables	4mm ² , 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

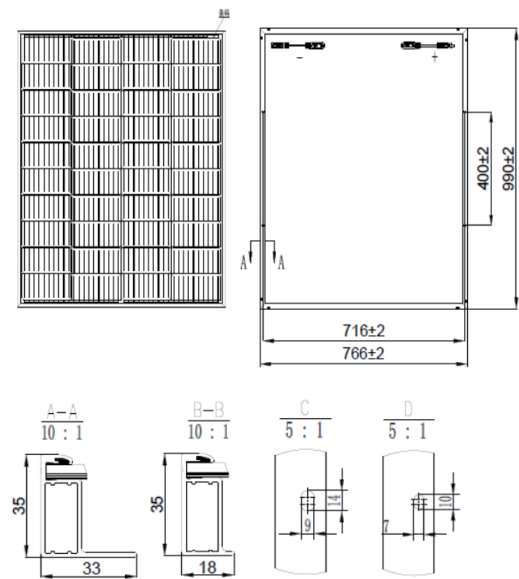
TEMP CHARACTERISTICS

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

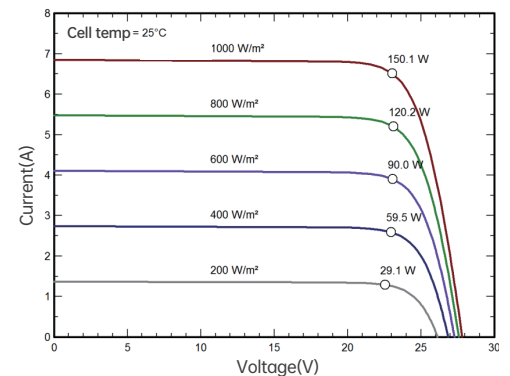
Container	40'HC
Module per box	31 Pieces
Packaging Box Size	1020×1140×900mm
Module per Container	1364 Pieces

TECHNICAL DRAWING

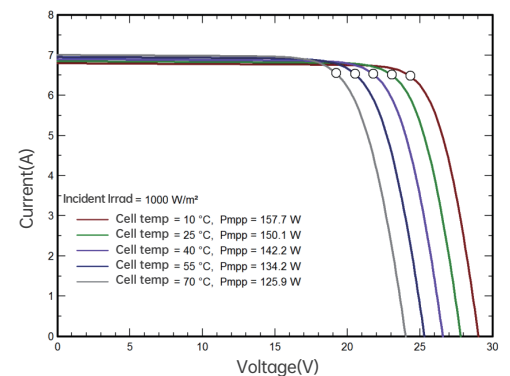


I-V CURVE

I-V characteristics at different irradiance (SP-M10/40H150W)



I-V characteristics at different temperatures (SP-M10/40H150W)



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Version No.2023V2.0