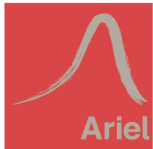


Tier1

BloombergNEF



Lloyd's Syndicate 1910



ISO14001

ISO9001

ISO45001



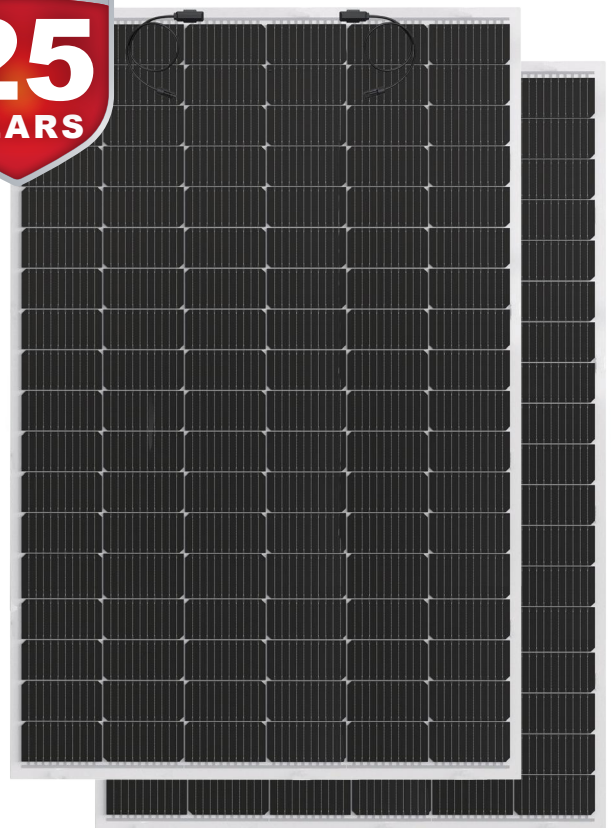
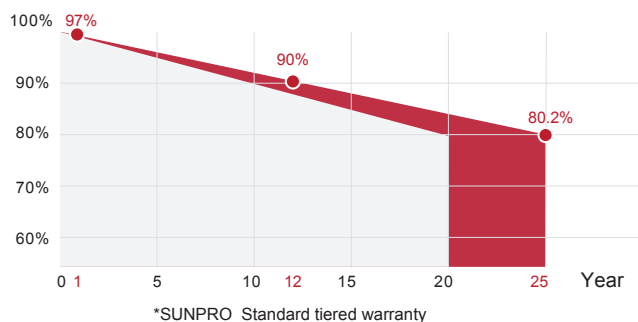
M10 HIEFF TWIN MONO

SPxxx-108M10

Flexible Solar Panel (xxx=400~410W)

10Yr quality guarantee | 25Yr power warranty

■ SUNPRO Standard (Additional value from 25-year warranty)
■ Industry Standard



WARRANTY & GUARANTEE

Linear output power guarantee
12 years: 91.9% power output
25 years: 80.2% power output



WITHSTAND STRONG



R&D AND PRODUCTION

Advanced production line.
The leading solar cell cutting process and multi busbar design with SUNPRO Technology.



HIGH EFFICIENCY

Efficiency can reach 20.71%. Excellent low light performance. Higher power output under the conditions of haze, overcast, etc.



POWER TOLERANCE

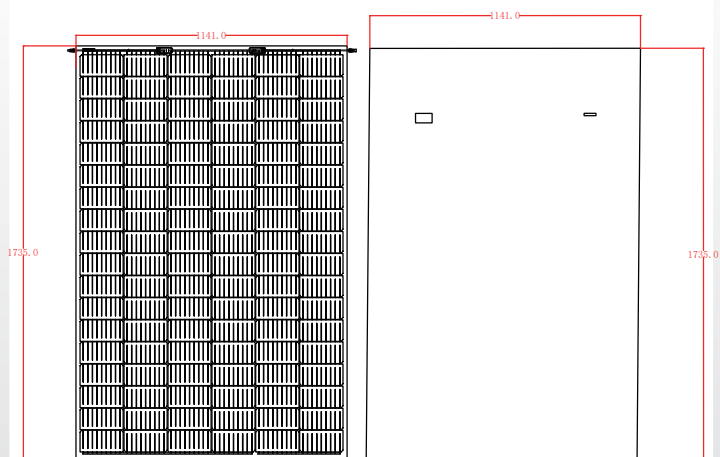
Power positive tolerance: 0~+3%

Electrical parameters at standard test conditions (STC:AM=1.5, 1000W/m², Cells Temperature 25°C)

Typical type

	400W	405W	410W
Max power(Pmax)	400	405	410
Max power voltage(Vmp)	30.7	30.8	30.9
Max power current(Imp)	13.03	13.16	13.29
Open circuit voltage(Voc)	37.1	37.2	37.3
Short circuit current(Isc)	13.66	13.81	13.90
Module Efficiency(%)	20.21	20.46	20.71
Max system voltage	DC 1000VDC		
Maximum Series Fuse Rating	20A		

DIMENSIONS AND STRUCTURE



Electrical parameters at NMOT test conditions

(Irradiance 800W/m², Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s)

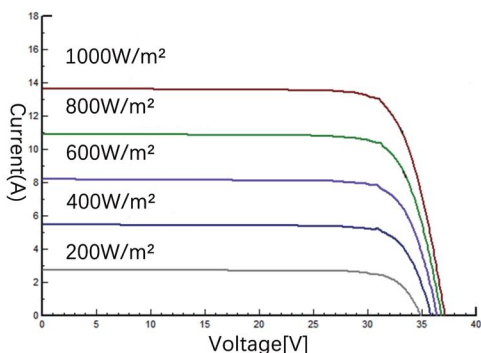
Typical type

	400W	405W	410W
Max power(Pmax)	325.4	329.2	333.1
Max power voltage(Vmp)	31.30	31.50	31.70
Max power current(Imp)	10.41	10.47	10.52
Open circuit voltage(Voc)	37.10	37.30	37.50
Short circuit current(Isc)	10.99	11.04	11.10

Mechanical Data

Dimensions	1735x1141x3mm (H 18mm included J-Box)
Weight	6.7 kg
Backsheet	White PV Backsheet
Output cables	4mm ² , symmetrical lengths 500mm
Connectors	MC4 compatible IP67
Cell type	Mono-Crystalline PERC, 10BB, 182x91mm
Number of cells	108 cells (Half-Cell)

I-V CHARACTERISTICS AT DIFFERENT IRRADIATION



Temperature Characteristics

Temp.Coeff.of Isc(TK Isc)	0.020%/°C	Container	40'HQ
Temp.Coeff.of Voc(TK Voc)	-0.28%/°C	Pieces per pallet	60
Temp.Coeff.of Pmax(TK Pmax)	-0.38%/°C	Pallets per container	25
Operating temperature	-40~+85°C	Pieces per container	1500
Normal operating cell temperature	41±2°C		

Packing Configuration

Tests, Certifications and Warranties

Standard tests	IEC 61215, IEC 61730,
System certs	ISO 9001, ISO14001, ISO45001
Certifications	TUV, CE, WEEE
Extreme wind and snow loads testing	Withstand extreme wind and snow loads
Power tolerance	0~+5W
Junction box	IP 68
Warranties	10 years product warranty and 25 years 80.2% of power