

SAT-400-410-F8MC 400-410W

Flexible Solar Panel



Key Features



Light Weight

No glass modules, 70% lighter than traditional glass modules.



Flexibility

Special processes and materials allow the modules to be flexible and bendable to adapt to different curved surfaces.



Low transportation cost

The transportation cost per unit is 1.5 times higher than that of conventional modules, but the cost per piece is 33% cheaper than conventional modules.



Easy Installation

Modules are easy to handle and install, effectively reducing construction difficulty and labor costs.



High investment returns

High energy efficiency, lower BOS, and effectively reducing LCOE costs.

Quality system

ISO 9001: 2015



Linear power warranty

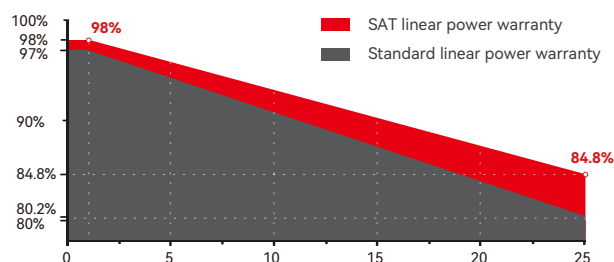


Linear Power
Warranty

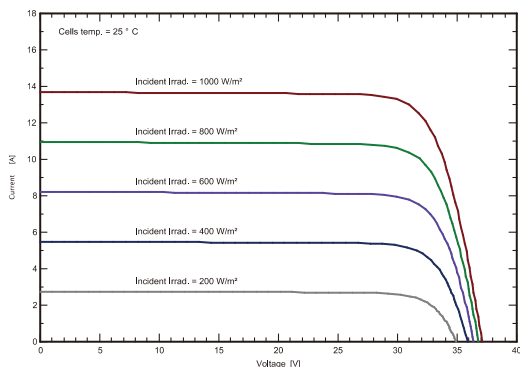


Product
Warranty

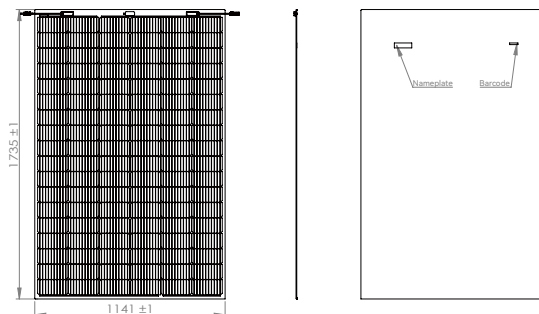
Linear Performance Warranty



I-V Curve



Characteristics



Electrical Characteristics(STC)

ITEM	SAT-400-F8MC	SAT-405-F8MC	SAT-410-F8MC
Maximum Power (Pmax)	400W	405W	410W
Maximum Power Voltage(Vmp)	30.70V	30.84V	30.91V
Maximum Power Current(Imp)	13.03A	13.16A	13.29A
Open-circuit Voltage(Voc)	37.10V	37.16V	37.26V
Short-circuit Current(Isc)	13.66A	13.81A	13.93A
Module Efficiency(%)	20.21%	20.46%	20.71%
Operating Temperature	-40 °C to 85 °C		
Maximum System Voltage	1500VDC		
Maximum Series Fuse Rating	20 A		
Application Class	Class II		
Power Tolerance	0~+5W		

STC:Irradiance 1000W/m² , module temperature 25°C , AM=1.5 , test tolerance ±3%

Mechanical Characteristics

Solar Cell	Monocrystalline silicon cell
Cell Size	182×91mm
No. of cells	108
Module Dimensions	L:1735*W:1141*H:3 mm L:1735*W:1141*H:18 mm(J-Box included)
Weight	6.1kg
Backsheet	White PV Backsheet
J-Box	IP 68
Output cables	Photovoltaic Technology Cable 4.0mm²
Cable length	(+)/(-) 500 mm or Customized Length
Connector	MC4 compatible

Temperature Characteristics

NOCT(Nominal Operating Cell Temperature)	41 ± 2°C
Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.050%/°C

Packaging

Container	20'GP	40'HQ
Pieces per pallet	70	70
Pieces per container	420	1820

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