

Flex Series

S-FLEX 6 II · 365-390W
MWT Mono PERC Flexible Module

20.4 %

Module efficiency up to 20.4 %

Features

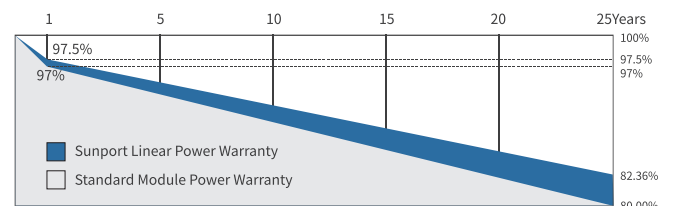
- Light, Thin design**
5.7kg weight, 2.5mm thickness, match various requirements for low-load projects
- Ultra Flexible**
Ultra-thin silicon wafers with advanced organic polymer encapsulation materials, minimum bending radius reach 0.30m, fit all kinds of curved surface perfectly
- High Efficiency And Reliability**
Busbar-free design increases cell conversion efficiency, more power output can be achieved at low irradiance conditions

- Customizable**
Customized design for different scenarios
- Convenient Installation**
Easy installation and convenient transportation with lower cost
- Lead-free**
Eco-friendly PV design achieves lead-free MWT module without soldering materials

Reinsurance Coverage for 25 Years



Insured by **LLOYD'S**



※1st year degradation less than 2.5%, 25 years power output 82.36% guaranteed.

Comprehensive Qualifications & Certifications

- ★ ISO 9001: 2015 Quality Management System
- ★ ISO 14001: 2015 Environment Management System

- ★ ISO 45001: 2018 Occupation Health Safety Management System



Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	SPP365QHES	SPP370QHES	SPP375QHES	SPP380QHES	SPP385QHES	SPP390QHES
Max-Power(Pm)	W	365	370	375	380	385	390
Power Tolerance	W			0~+5			
Max-Power Voltage(Vm)	V	34.9	35.1	35.3	35.5	35.7	36.01
Max-Power Current(I _m)	A	10.46	10.54	10.62	10.70	10.78	10.83
Open-Circuit Voltage(Voc)	V	42.4	42.6	42.8	43.0	43.2	43.5
Short-Circuit Current(I _{sc})	A	11.09	11.16	11.23	11.30	11.35	11.41
Effective Module Efficiency(η _m)	%	19.0	19.3	19.6	19.8	20.1	20.4

STC: AM=1.5, Irradiation 1000W/m², Module Temperature 25°C Power Tolerance ±3%

Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

Spec/Model	Unit	SPP365QHES	SPP370QHES	SPP375QHES	SPP380QHES	SPP385QHES	SPP390QHES
Max-Power(Pm)	W	274	278	282	286	290	294
Max-Power Voltage(Vm)	V	32.8	33.0	33.2	33.4	33.6	33.8
Max-Power Current(I _m)	A	8.35	8.42	8.49	8.56	8.64	8.69
Open-Circuit Voltage(Voc)	V	39.9	40.1	40.3	40.5	40.7	40.98
Short-Circuit Current(I _{sc})	A	8.91	8.98	9.05	9.12	9.19	9.25

NMOT: Irradiation 800W/m², Ambient temperature 20°C, Wind Speed 1m/s

Temperature Coefficient

Nominal Module Operating Temperature	43±2°C
Temperature coefficient of P _{max}	-0.36%/°C
Temperature coefficient of Voc	-0.28%/°C
Temperature coefficient of I _{sc}	0.06%/°C

Operating Conditions

Max. system voltage	DC1500V(IEC)
Max. series fuse rating	18A
Operating temperature range	-40°C~+85°C

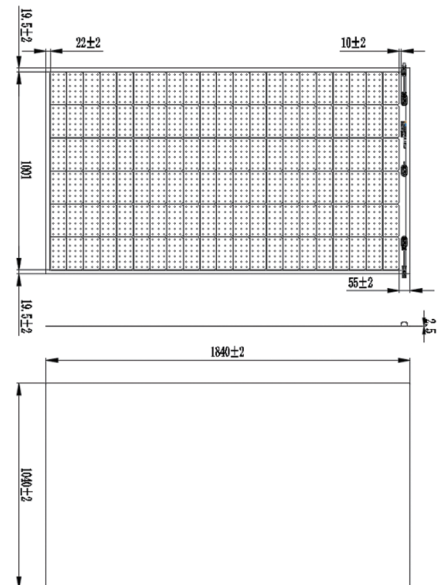
Mechanical Characteristics

Installation Module Dimension (L×W×H)	1840mmx1040mmx2.5mm
Weight	5.7 kg
Back material	Back Sheet(white)
Cell (quantity / material / type / dimensions)	126(21x6) / Mono / Half-cell
Encapsulant	POE
Frame	None
Junction box(Protection degree)	IP68
Cable (length/cross-section area)	Customizable / 4mm ²
Connector	MC4 Compatible
Bending radius	0.3m

Package

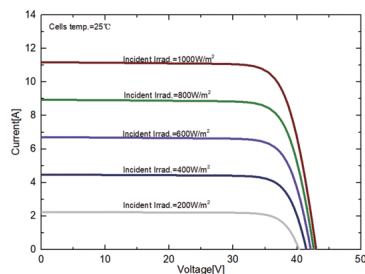
Transportation	Container Size	Quantity(pcs)	Quantity(per pallet)
Container	40' HQ	1104	46

Module Size



I-V Curve

I-V Curves of SPP375QHES at different irradiance



I-V Curves of SPP375QHES at different cell temperature

