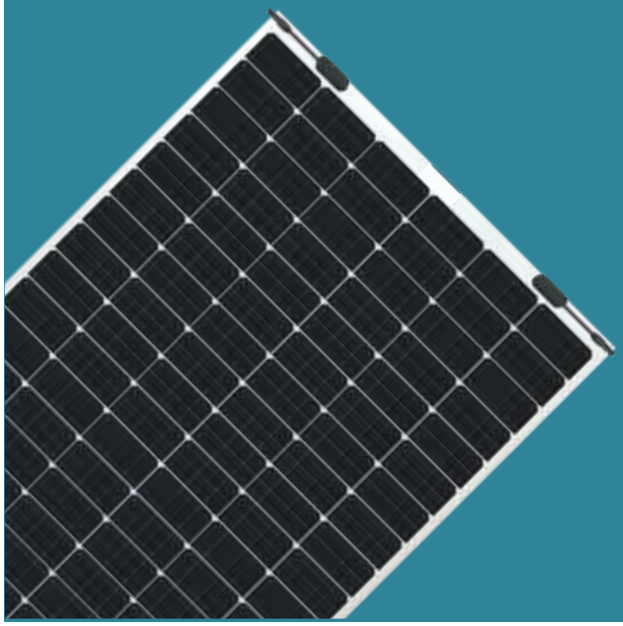
APEX SOLAR



Flex Series

APEX-FLEX-365-385

Mono PERC Flexible Module

21.8%

Module efficiency up to 21.8%

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

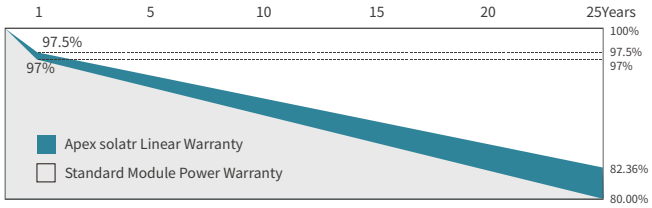
Convenient Installation
Easy installation and convenient transportation with lower cost

Lead-free
Eco-friendly PV design achieves lead-free MWT module without soldering materials

Reinsurance Coverage for 25 Years

12year Quality Warranty

25year Performance Warranty



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

Insured by LLOYD'S

LLOYD'S

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	APEX-FLEX-360	APEX-FLEX-365	APEX-FLEX-370	APEX-FLEX-375	APEX-FLEX-380
Max-Power(Pm)	W	360	365	370	375	380
Power Tolerance	W			0~+5		
Max-Power Voltage(Vm)	V	32.4	32.7	33	33.3	33.6
Max-Power Current(Im)	A	11.1	11.17	11.21	11.26	11.31
Open-Circuit Voltage(Voc)	V	39.6	39.9	40.2	40.5	40.8
Short-Circuit Current(Isc)	A	11.59	11.64	11.69	11.74	11.79
Effective Module Efficiency(ηm)	%	18.68	18.94	19.20	19.46	19.72

STC: AM=1.5，Irradiation 1000W/m^2，Module Temperature 25°C　Power Tolerance ±3%

Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

Spec/Model	Unit	APEX-FLEX-360	APEX-FLEX-365	APEX-FLEX-370	APEX-FLEX-375	APEX-FLEX-380
Max-Power(Pm)	W	274	278	282	286	290
Max-Power Voltage(Vm)	V	32.8	33.0	33.2	33.4	33.6
Max-Power Current(Im)	A	8.35	8.42	8.49	8.56	8.64
Open-Circuit Voltage(Voc)	V	39.9	40.1	40.3	40.5	40.7
Short-Circuit Current(Isc)	A	8.91	8.98	9.05	9.12	9.19

NMOT: Irradiation 800W/m^2, Ambient temperature 20°C, Wind Speed 1m/s

Temperature Coefficient

Nominal Module Operating Temperature	43±2°C
Temperature coefficient of Pmax	-0.36%/°C
Temperature coefficient of Voc	-0.28%/°C
Temperature coefficient of Isc	0.06%/°C

Operating Conditions

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

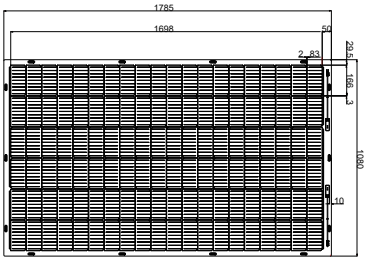
Mechanical Characteristics

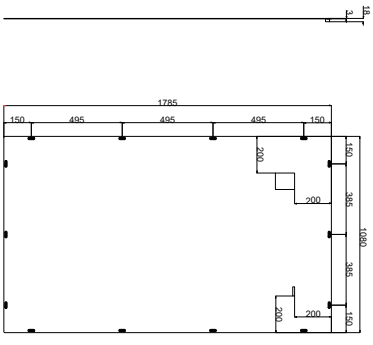
Installation Module Dimension (L×W×H)	1785mmx1080mmx3mm
Weight	6.3 kg
Back material	Back Sheet(white)
Cell (quantity / material / type / dimensions)	126(21x6) / Mono / Half-cell
Encapsulant	POE
Frame	None
Junction box(protection degree)	IP68
Cable (length/cross-section area)	Customizable / 4mm^2
Connector	MC4 Compatible
Bending radius	0.3m

Package

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

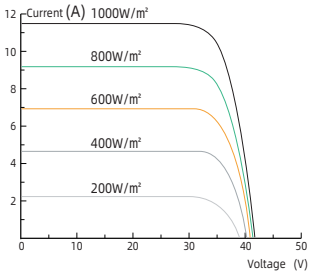
Module Size





I-V Curve

I-V Curves of SPP375QHES at different irradiance



I-V Curves of SPP375QHES at different cell temperature