



Flex Series

S-FLEX 6 II · 365-385W
MWT Mono PERC Flexible Module

21.8%

Module efficiency up to 21.8%

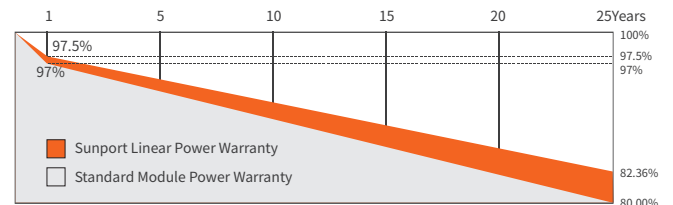
Features

- 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



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



هيئة كهرباء ومياه دبي
Dubai Electricity & Water Authority



Electrical Characteristics at Standard Test Conditions(STC)

| Spec/Model | Unit | SPP365QHES | SPP370QHES | SPP375QHES | SPP380QHES | SPP385QHES |
|--|------|------------|------------|------------|------------|------------|
| Max-Power(Pm) | W | 365 | 370 | 375 | 380 | 385 |
| Power Tolerance | W | | | 0~+5 | | |
| Max-Power Voltage(Vm) | V | 34.9 | 35.1 | 35.3 | 35.5 | 35.7 |
| Max-Power Current(I _m) | A | 10.46 | 10.54 | 10.62 | 10.70 | 10.78 |
| Open-Circuit Voltage(Voc) | V | 42.4 | 42.6 | 42.8 | 43.0 | 43.2 |
| Short-Circuit Current(I _{sc}) | A | 11.09 | 11.16 | 11.23 | 11.30 | 11.35 |
| Effective Module Efficiency(η _m) | % | 20.7 | 21.0 | 21.2 | 21.5 | 21.8 |

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 |
|---|------|------------|------------|------------|------------|------------|
| 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(I _m) | 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(I _{sc}) | A | 8.91 | 8.98 | 9.05 | 9.12 | 9.19 |

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 |

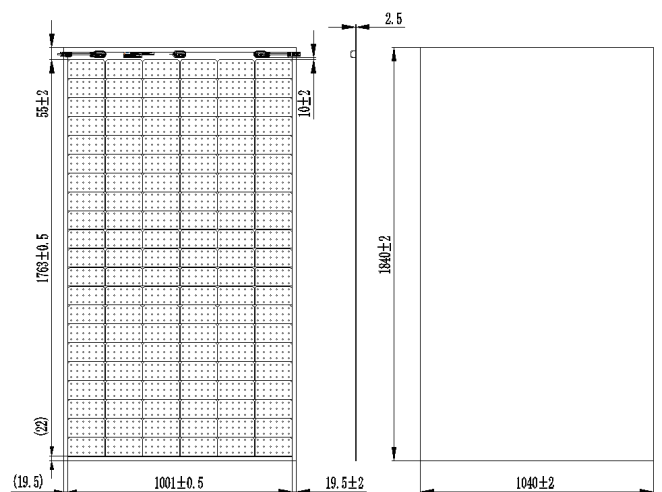
Mechanical Characteristics

| | |
|--|---------------------------------|
| 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

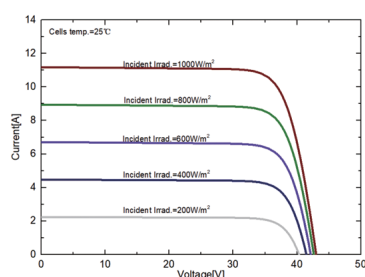
| Container Size | | Quantity(pcs) | Quantity(per pallet) |
|----------------|------------------|---------------|----------------------|
| 40' HQ | Vertical Packing | 1104 | 46 |
| 40' HQ | Tiled Packing | 1800 | 100 |

Module Size



I-V Curve

I-V Curves of SPP375QHES at different irradiance



I-V Curves of SPP375QHES at different cell temperature

