

QH70S(B)(H) · 200-205W

MWT Mono PERC Flexible Module

Insured by LLOYD'S

LLOYD'S



20.9%

Module efficiency

3year

Quality/Performance Warranty

※1st year degradation less than 2.5%,
3 years linear power output 96.13% guaranteed.

Features

- Light and Thin**
3.4kg weight, match various requirements for low-load projects
- Full Black**
All black design for more elegant applications
- Ultra Flexible**
Ultra-thin silicon wafers with advanced organic polymer encapsulation materials, minimum bending radius reach 0.30m, fit all kinds of curved surfaces perfectly
- High Efficiency and Reliability**
Busbar-free design increases cell conversion efficiency, more power output can be achieved at low irradiance conditions
- Convenient Installation**
Easy installation and convenient transportation with lower cost
- Lead-free**
Eco-friendly PV design achieves lead-free MWT module without soldering materials

Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	SPP200QH70S	SPP205QH70S
Max-Power(Pm)	W	200	205
Power Tolerance	W	0~+5	
Max-Power Voltage(Vm)	V	19.8	20.0
Max-Power Current(Im)	A	10.11	10.25
Open-Circuit Voltage(Voc)	V	23.9	24.1
Short-Circuit Current(Isc)	A	10.65	10.81
Effective Module Efficiency(ηm)	%	20.4	20.9

STC: AM=1.5, Irradiation 1000W/m², Module Temperature 25°C

Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

Spec/Model	Unit	SPP200QH70S	SPP205QH70S
Max-Power(Pm)	W	145	149
Max-Power Voltage(Vm)	V	18.3	18.5
Max-Power Current(Im)	A	7.93	8.06
Open-Circuit Voltage(Voc)	V	22.0	22.2
Short-Circuit Current(Isc)	A	8.58	8.71

NMOT: Irradiation 800W/m², 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

Mechanical Characteristics

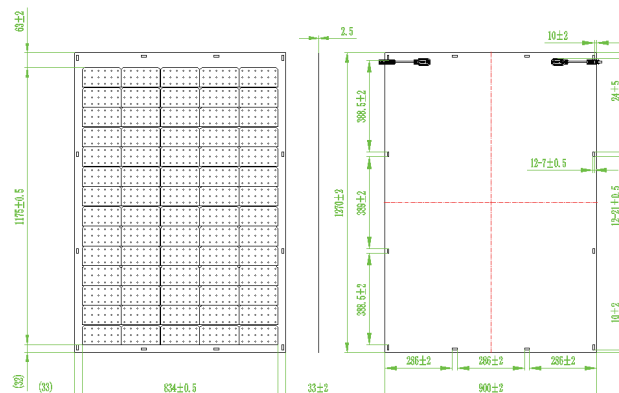
Installation Module Dimension (L×W×H)	1270mm×900mm×2.5mm
Weight	3.4 kg
Back material	Back Sheet(black)
Cell (quantity / material / type / dimensions)	70(5×14)/Mono/166*83mm/φ223mm
Junction box(Protection degree)	IP68
Junction box/Nameplate(position)	Front or Back(Optional)
Cable (length/cross-section area)	Customizable/ 4mm ²
Connector	MC4 Compatible

Package

Transportation	Container Size	Quantity(pcs)	Quantity(per pallet)
Container	40' HQ	2800	100

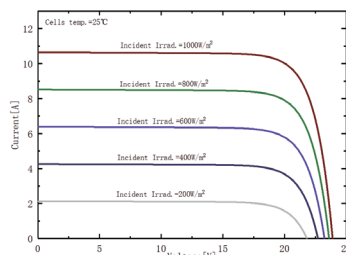
Module Size

12 oval holes at the surrounding edge



I-V Curve

I-V Curves of SPP200QH70S at different irradiance



I-V Curves of SPP200QH70S at different cell temperature

