

Classic Series

C 7 III · 410-435W MWT Mono PERC Half-Cut Module

21.3%

Module efficiency up to 21.3%

Australian Version

Manufactured in China

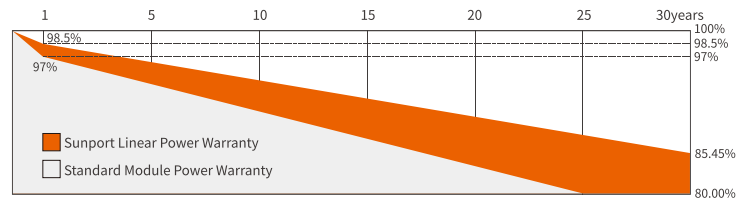
Features

- Aesthetic Design**
 The design of busbar and tapping ribbon free makes module more aesthetic
- High Efficiency**
 Busbar-free design increases cell conversion efficiency, more power output can be achieved at low irradiance conditions
- Innovative Layout**
 Innovative back contact module layout with asymmetric design for higher efficiency power
- High Reliability**
 Conductive back sheet's 2D encapsulation avoids welding stress and micro crack, resulting lower degradation under multiple harsh testing conditions
- High ROI**
 Single-glass modules with global 30-year performance warranty bring higher return on investment
- Lead Free**
 Eco-friendly PV design achieves lead-free MWT module without soldering materials

Reinsurance Coverage for 30 Years



Insured by PAIC and LLOYD'S
PING AN LLOYD'S



※1st year degradation less than 1.5%, 30 years linear power output 85.45% guaranteed.

Comprehensive Qualifications & Certifications

- ★ ISO 9001: 2015 Quality Management System
- ★ ISO 45001: 2018 Occupation Health Safety Management System
- ★ ISO 14001: 2015 Environment Management System
- ★ CQC Top Runner Advanced Technology Certification (4A class)
- ★ TUV NORD Certification



Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	SPP410QHG	SPP415QHG	SPP420QHG	SPP425QHG	SPP430QHG	SPP435QHG
Max-Power(Pm)	W	410	415	420	425	430	435
Power Tolerance	W	0~+5					
Max-Power Voltage(Vm)	V	39.0	39.2	39.4	39.6	39.8	40.0
Max-Power Current(I _m)	A	10.51	10.59	10.66	10.73	10.80	10.88
Open-Circuit Voltage(Voc)	V	46.8	47.0	47.2	47.4	47.6	47.8
Short-Circuit Current(I _{sc})	A	11.10	11.18	11.26	11.34	11.42	11.50
Module Efficiency(η _m)	%	20.1	20.3	20.6	20.8	21.1	21.3

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

Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

Spec/Model	Unit	SPP410QHG	SPP415QHG	SPP420QHG	SPP425QHG	SPP430QHG	SPP435QHG
Max-Power(Pm)	W	301	305	309	313	317	321
Max-Power Voltage(Vm)	V	36.2	36.4	36.6	36.8	37.0	37.2
Max-Power Current(I _m)	A	8.31	8.38	8.44	8.51	8.57	8.63
Open-Circuit Voltage(Voc)	V	43.5	43.7	43.9	44.1	44.3	44.5
Short-Circuit Current(I _{sc})	A	8.99	9.05	9.11	9.17	9.23	9.30

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

Mechanical Characteristics

Dimension(L×W×H)	1973mmx1035mmx35mm
Weight	21.5kg
Glass type	High transmittance anti-reflective coated tempered glass /3.2mm
Cell	138(23x6) / Mono / Half-cell
Encapsulant	EVA
Frame	Anodized Aluminum Alloy / Silver
Junction box(Protection degree)	IP68
Cable	4mm ² ,350mm(+)/150mm(-) or Customized•Length
Connector	TL-CABLE01S Jiangsu Tongling Electric Co.,Ltd.
Fire safety class:	Class C accprding to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

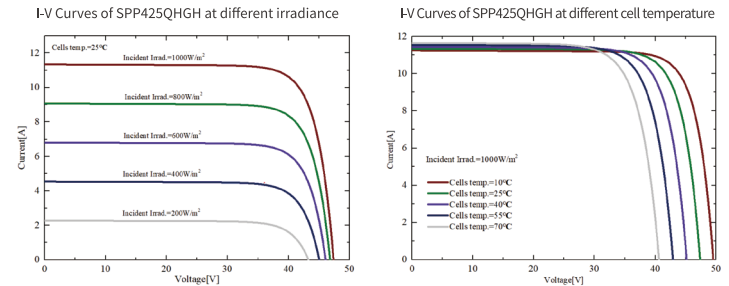
Operating Conditions

Max. system voltage	DC1500V(IEC)
Max. series fuse rating	20A
Operating temperature range	-40°C~+85°C
Mechanical load	5400Pa/2400Pa
Max. hailstone impact(diameter/velocity)	Φ25mm hail, from 1 m of distance at 23 m/s
Application Class	Class A

Package

Transportation	Container Size	Quantity(pcs)	Quantity(per pallet)
Container	40' HQ	682	31

I-V Curve



Module Size

