

# QUALITY MATTERS

## OUR COMMITMENT TO QUALITY

At Supervim, we think about solar energy all day along. We live and breathe it. We contemplate how it can power every aspect of our lives. And through our experience, we've come to believe:

### **Quality Matters:**

Our energy is different because we're different. Our Experience, knowledge and trusted partnerships have helped deliver reliable products to businesses across the world. We have a vision to create a sustainable future for the world and we have the experience to make it happen.

Our difference comes through in the quality of our product. In fact, we've built numerous quality steps into every stage of manufacturing. We call this quality process The Supervim Standard.

### **Introducing the Supervim Standard**

It's not just a quality-assurance program. Throughout every stage, we hold our products, our partners and ourselves to rigorous benchmarks.

Our team adheres to testing guidelines that far exceed industry requirements. We apply stringent manufacturing controls. All of the materials in our products come from suppliers proven to deliver first rate quality. **This level of attention ensures that every product we deliver meets the Supervim Standard every single time.**



Libby Zhou  
Supervim Founder & CEO



**SUPERVIM**

# SP-DH132H10

# 700-725W

**23.3%**  
Max. Efficiency

**HJT**

Bifacial & Dual Glass

**132 Pieces**  
Half-Cell



### **High Conversion Efficiency**

Module efficiency up to 23.3% based on advanced cell technology

### **Excellent Energy Yield**

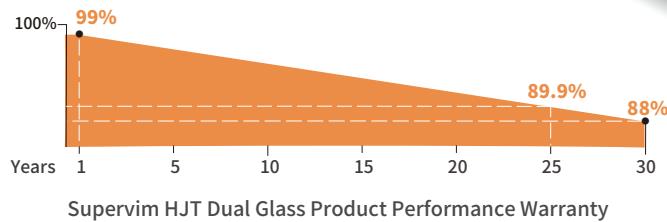
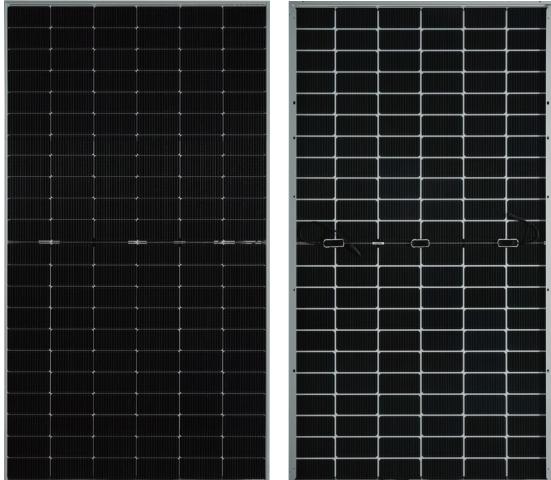
More power output in field operation due to better thermal behaviors, weak-light performance and bifaciality

### **Outstanding Anti-degradation**

Unsusceptible to LID, LeTID and less annual degradation due to special characteristics of HJT

### **Quality Guarantee**

High module quality ensures long-term reliability



• 1st year degradation **<1%**, annual degradation **<0.38%**

 **12** 12-year product warranty

 **30** 30-year linear power warranty

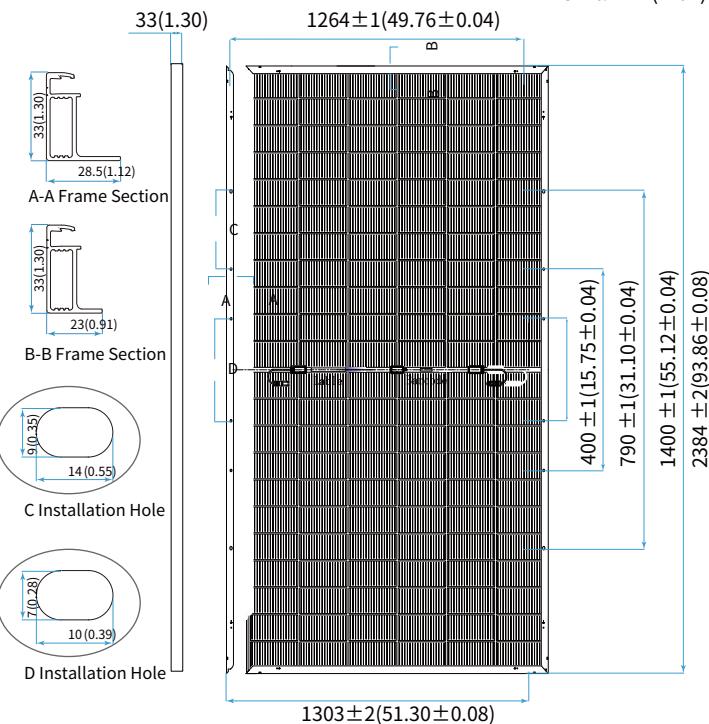
IEC61215 / IEC61730 / UL61730 / IEC61701 / IEC62716 / IEC60068 / ISO9001 / ISO14001/ ISO45001



Unit: mm(inch)

**Mechanical Parameters**

Solar Cell	Mono HJT 210mm
No. of Cells	132 (6×22)
Dimensions	2384 × 1303 × 33mm(93.86 × 51.30 × 1.30in.)
Weight	38.3kg(84.44lbs)
Junction Box	IP68 rated (3 bypass diodes)
Output Cable	4mm <sup>2</sup> (IEC), 12 AWG(UL) +400/-200mm (+15.75/-7.87in.) or customized
Connector	RY01 or similar
Front Cover	2.0mm AR coated heat strengthened glass
Back Cover	2.0mm heat strengthened glass
Frame	Aluminum, silver anodized
Container	33 pcs/Pallet, 594pcs/40' HQ


**Operating Parameters**

Max. System Voltage	DC 1500V(IEC/UL)
Operating Temperature	-40°C~+85°C(-40°F~+185°F)
Max. Fuse Rating	35A
Frontside Max. Loading	5400Pa(112lb/ft <sup>2</sup> )
Backside Max. Loading	2400Pa(50lb/ft <sup>2</sup> )
Bifaciality	85%+10%
Fire Resistance	IEC Class A/ UL Type 29

**Electrical Characteristics - STC**

 Irradiance 1000 W/m<sup>2</sup>, cell temperature 25 °C, AM1.5, Test uncertainty for Pmax: ±3%

Maximum Power at STC (Pmax/W)	725	720	715	710	705	700
Power Tolerance (W)				0 ~ +5		
Optimum Operating Voltage (Vmp/V)	42.83	42.68	42.54	42.39	42.25	42.10
Optimum Operating Current (Imp/A)	16.93	16.87	16.81	16.75	16.69	16.63
Open Circuit Voltage (Voc/V)	50.89	50.74	50.59	50.44	50.29	50.13
Short Circuit Current (Isc/A)	17.73	17.67	17.61	17.55	17.49	17.43
Module Efficiency	23.3%	23.2%	23.0%	22.9%	22.7%	22.5%

**Electrical Characteristics - NMOT**

 Irradiance 800 W/m<sup>2</sup>, ambient temperature 20 °C, AM1.5, wind speed 1 m/s.

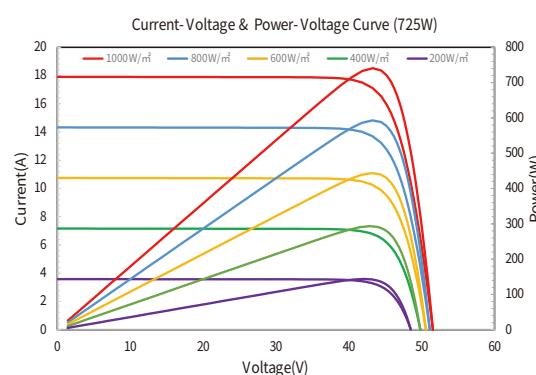
Maximum Power at NMOT (Pmax/W)	558.3	554.4	550.6	546.7	543.0	539.1
Optimum Operating Voltage (Vmp/V)	41.08	40.94	40.80	40.66	40.53	40.38
Optimum Operating Current (Imp/A)	13.59	13.54	13.49	13.45	13.40	13.35
Open Circuit Voltage (Voc/V)	48.81	48.67	48.53	48.38	48.24	48.08
Short Circuit Current (Isc/A)	14.28	14.23	14.18	14.14	14.09	14.04

**Rearside Power Gain (Reference to 725W Front)**

Rearside Power Gain	5%	15%	25%
Maximum Power (Pmax/W)	756	828	900
Optimum Operating Voltage (Vmp/V)	42.68	42.78	42.78
Optimum Operating Current (Imp/A)	17.71	19.36	21.04
Open Circuit Voltage (Voc/V)	50.74	50.84	50.84
Short Circuit Current (Isc/A)	18.55	20.28	22.04
Module Efficiency	24.3%	26.7%	29.0%

**Temperature Characteristics**

Nominal Module Operating Temperature	42 ± 2 °C
Nominal Cell Operating Temperature	45 ± 2 °C
Temperature Coefficient of Pmax	-0.26%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	0.04% / °C



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