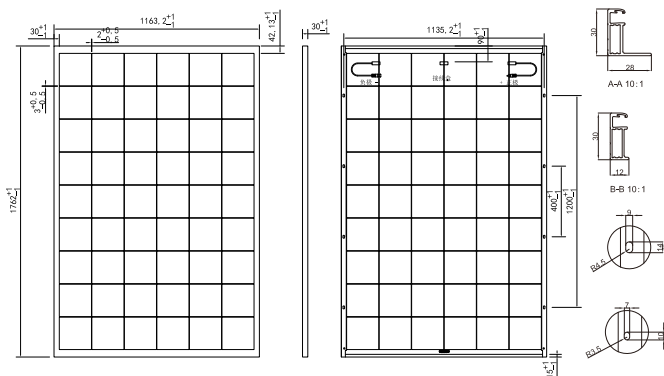


T530 HIKING PV Perovskite/silicon Tandem Module With Dual Glass

Engineering Drawings (unit: mm)



Mechanical Characteristics

Cell Type	Perovskite/silicon tandem solar cell
No. of Cells	54
Dimensions	1762×1163×30mm
Weight	21.0kg
Front Glass	2.0 mm Anti-reflection Coating Glass
Back Glass	2.0 mm Heat Strengthened Glass
Frame	Anodized Aluminum Alloy Frame
Junction Box	IP68 with 3 Bypass Diodes
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	JK03M / MC4 / Others
Output Cables	4 mm ² cable length: (+): 400 mm, (-): 200 mm; ±1400 mm or customized

Specifications (STC)

Maximum Power - Pmax [Wp]	530	535	540	545	550	555
Maximum Power Voltage - Vmp [V]	90.91	91.28	91.57	91.88	92.24	92.63
Maximum Power Current - Imp [A]	5.84	5.86	5.90	5.94	5.97	6.00
Open-Circuit Voltage - Voc [V]	104.75	105.12	105.33	105.87	106.21	106.57
Short-Circuit Current - Isc [A]	6.61	6.64	6.66	6.69	6.71	6.74
Module Efficiency STC - [%]	25.9	26.1%	26.4	26.6	26.9	27.1
Output Power Tolerance	0~+3%					

Standard test conditions (STC) : Light intensity 1000W/m²; Test temperature 25°C, Air mass 1.5

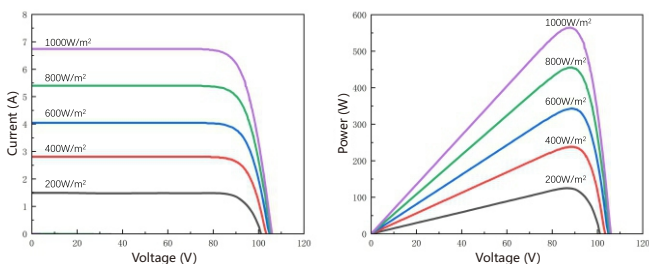
Temperature Coefficient

Temperature Coefficient (Pmax)	-0.19%/°C
Temperature Coefficient (Voc)	-0.25%/°C
Temperature Coefficient (Isc)	+0.045%/°C

Application Conditions

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC
Maximum Fuse Rating	30A

Electical Performance



Quality Certifications

Quality Management System & Product Certifications

ISO 9001:2015 / Quality Management System

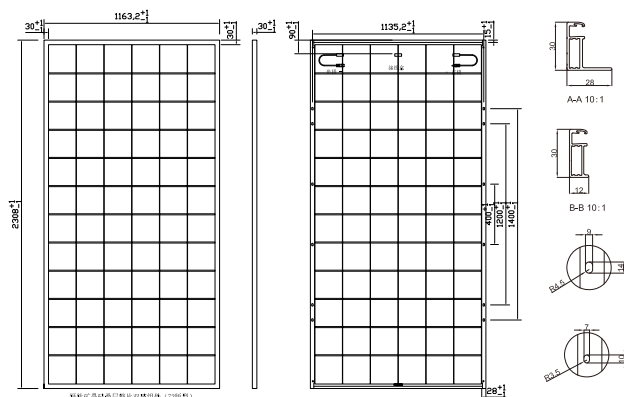
ISO 14001:2015 / Environmental Management System

ISO 45001:2018 / Occupational Health & Safety Management System

Disclaimer: Due to ongoing technological advancement and product updates, the technical parameters of subsequent modules may differ from those stated in this datasheet. Shenzhen Hiking PV Technology Co., Ltd. reserves the right to adjust any technical parameters at any time without prior notice to customers. The final interpretation of this datasheet rests solely with Hiking PV Technology Co., Ltd.

T700 HIKING PV Perovskite/silicon Tandem Module With Dual Glass

Engineering Drawings (unit: mm)



⚙️ Mechanical Characteristics

Cell Type	Perovskite/silicon tandem solar cell
No. of Cells	72
Dimensions	2308x1163x30mm
Weight	33.5kg
Front Glass	2.0 mm Anti-r eflection Coating Glass
Back Glass	2.0 mm Heat Strengthened Glass
Frame	Anodized Aluminum Alloy Frame
Junction Box	IP68 with 3 bypassdiodes
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	JK03M / MC4 / Others
Output Cables	4 mm ² cable length: (+): 400 mm, (-): 200 mm; ±1400 mm or customized

Specifications (STC)

Maximum Power - Pmax [Wp]	700	710	720	730	740
Maximum Power Voltage - Vmp [V]	120.76	121.70	122.09	122.98	123.51
Maximum Power Current - Imp [A]	5.80	5.86	5.90	5.97	6.00
Open-Circuit Voltage - Voc [V]	139.36	140.16	140.44	141.61	142.09
Short-Circuit Current - Isc [A]	6.57	6.64	6.66	6.71	6.74
Module Efficiency STC - [%]	26.1	26.6	26.8	27.4	27.6
Output Power Tolerance	0~+3%				

Standard test conditions (STC) : Light intensity 1000W/m^2 , Test temperature 25°C , Air mass 1.5

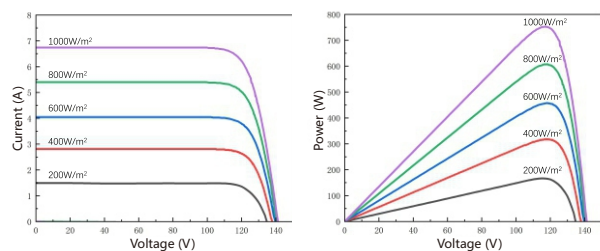
°C Temperature Coefficient

Temperature Coefficient (Pmax)	-0.19%/°C
Temperature Coefficient (Voc)	-0.25%/°C
Temperature Coefficient (Isc)	+0.045%/°C

Application Conditions

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC
Maximum Fuse Rating	30A

Electrical Performance

 Quality Certifications

Quality Management System & Product Certifications

ISO 9001:2015 / Quality Management System

ISO 14001:2015 / Environmental Management System

ISO 45001:2018 / Occupational Health & Safety Management System



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