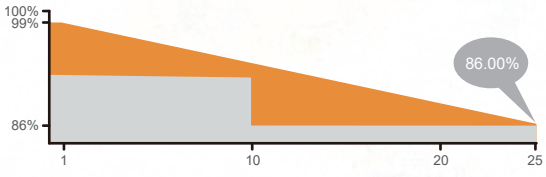


Total power	Photovoltaic power	Solar thermal power
1780W	450W	1330W
Solar Energy Utilization Rate	**Photovoltaic Efficiency**	**Solar thermal Efficiency**
89%	22.5%	66.5%

Sunket N Type Linear Warranty



12 Years
Materials and workmanship

25 Years
86% Output Power guarantee

SKT450~460-PVT1330M1296S6

450~460 Watt

Active solar collector

Photovoltaic and Thermal

Space-saving

Generating electricity and providing heating simultaneously within confined spaces. This avoids the need for photovoltaic panels and solar water heaters to occupy roof space,thereby preventing the wastage of rooftop resources.

Multifunctional Coupling

Integrated photovoltaic, solar thermal, and heat pump technolgies deliver multiple green energy solutions, simultaneously meeting electricity, hot water, and heating requirements.

Enhance Efficiency

Photovoltaic modules operate at elevated temperatures under favourable irradiation conditions. The heat pump cycle system can reduce the temperature of the photovoltaic panels, thereby enhancing power generation efficiency by over 10%.

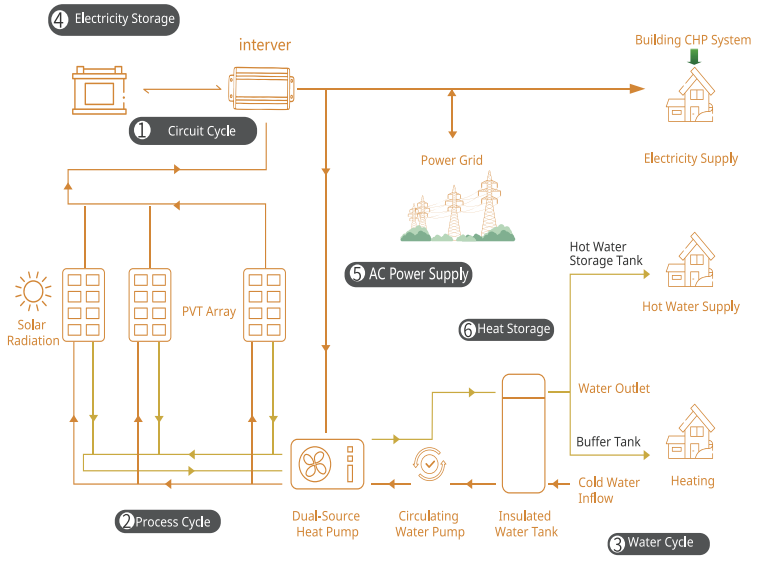
Highly Efficient And Energy-saving

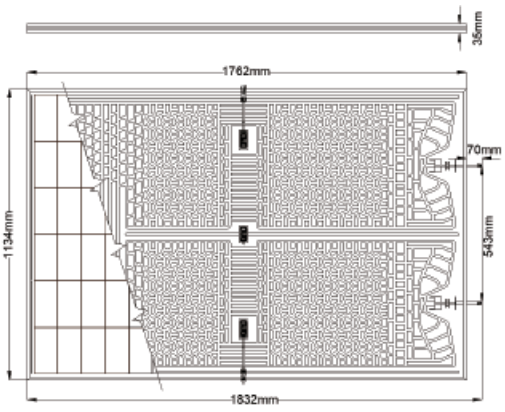
Building upon the foundation of air-source heat pumps, the integration of PVT modules as external evaporators enables
a 20-50% improvement in coefficient of performance (COP) compared to conventional air-source heat pumps.

SUNKET

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SKT450~460-PVT1330M1296S6





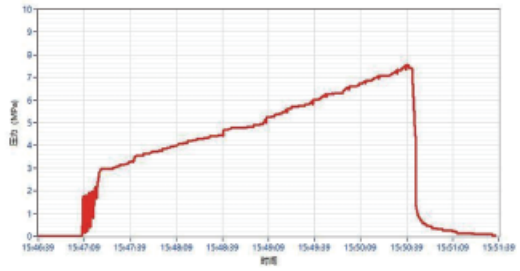
All Dimensions in mm
The above drawing is a graphical representation of the product.

Electrical Characteristics (STC)

Maximum Power- Pmax(W)	450	455	460
Open Circuit Voltage - Voc(V)	36.06	36.23	36.40
Short- Circuit Current - Isc(A)	15.66	15.71	15.76
Voltage at Pmax -Vmp(V)	30.25	30.48	30.71
Current at Pmax - Imp(A)	14.88	14.93	14.97
Module Efficiency -ηm(%)	22.50	22.80	23.00
Power Tolerance(W)	(0，+5W)		
Maximum System Voltage(V)	1500Vdc (IEC / UL)		
Maximum Series Fuse Rating (A)	30A		

*STC： Irradiance 1000W/m², Cell Temperature 25℃, Air Mass 1.5
*Measurement tolerance: ±3% *Power binning up to: +3%

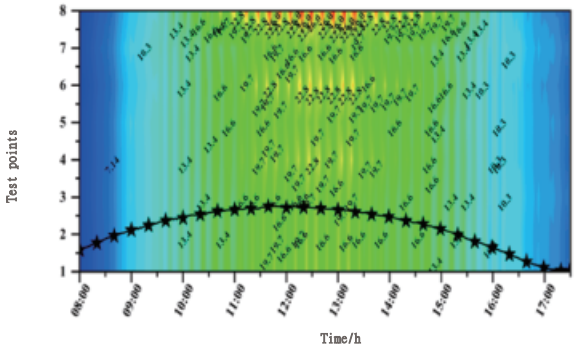
Pressure Burst Test (6.0 MPa)



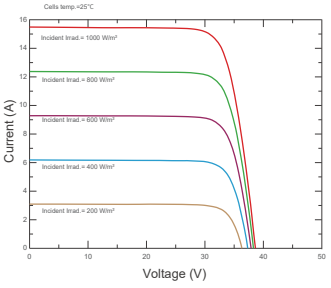
Mechanical Specifications

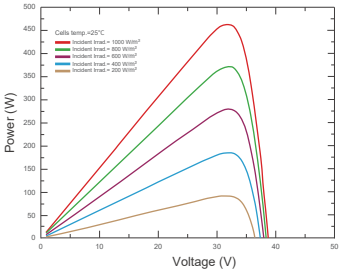
External Dimensions	1832×1134×35mm
Weight	35kg
Solar Cells	N-Type 210mm (2×48pcs)
Back Panel Material	Aluminium Alloy
Frame	Polymer Composites(Black)
Junction Box	IP68,Three-part system
Output Cables	4.0mm², 400mm (+), 400mm (-), length can be customized
Connector	MC4 Compatible
Wind Load / Snow Load	2400Pa / 5400Pa
Heat Transfer Medium	R410a / R290
Heat Exchange Inlet	2 External Threads
Heat Exchanger Outlet	3 External Threads
Overseas Packaging	30pcs/pallets;40HQ:720pcs;20HQ:360pcs
Packaging	30pcs/pallets;600pcs/Truck(9.6m);840pcs/Truck(13.0m);1080pcs/Truck(17.5m)

Temperature Uniformity Test



Current-Voltage & Power-Voltage Curves
(SKT460-PVT1330M1296S6)





Temperature Characteristics

Pmax Temperature Coefficient	-0.280%/°C
Voc Temperature Coefficient	-0.250%/°C
Isc Temperature Coefficient	+0.045%/°C
Operating Temperature Range	-40~+85°C
Nominal Operating Cell Temperature	42±2°C