

Sun-Pursuit Plus Series

TOPCon
96 - cell Module

TW-455HTS-02

435-455W

0-3% Positive Tolerance



Monocrystalline



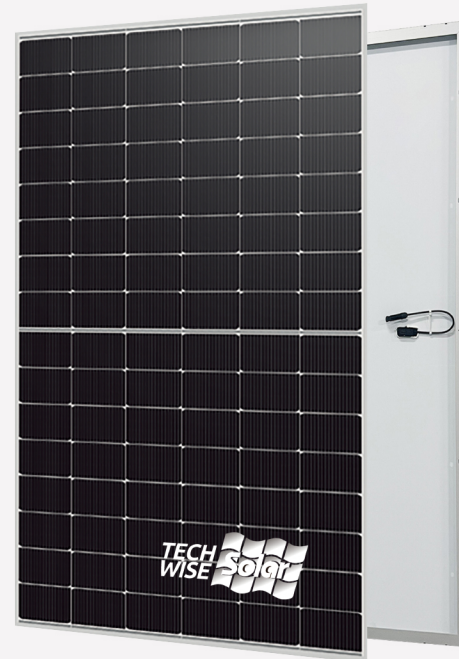
Half Cell



16BB



Grade A



• MODULE FEATURES



High efficiency

TOPCon technology improves efficiency, increases power generation, and contributes to lower LCOE.



Lower heat spot risk

Innovative circuit design and “Half Cell” structure decrease the temperature of heat spots and effectively reduce power loss.



Excellent low-light performance

Reliable performance in low-light conditions such as in the morning, at dusk or during raining days.



Resilient to extreme weather

Carefully selected materials ensure the module still works well under the condition of 2400Pa wind load and 5400Pa snow load.



PID resistant

High quality solar cell and advanced processing technology contribute to excellent PID resistance performance.

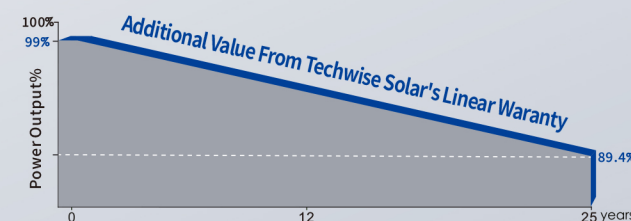
• Quality Certification



• Product Qualification



• Performance Warranty



12 Years Product Warranty



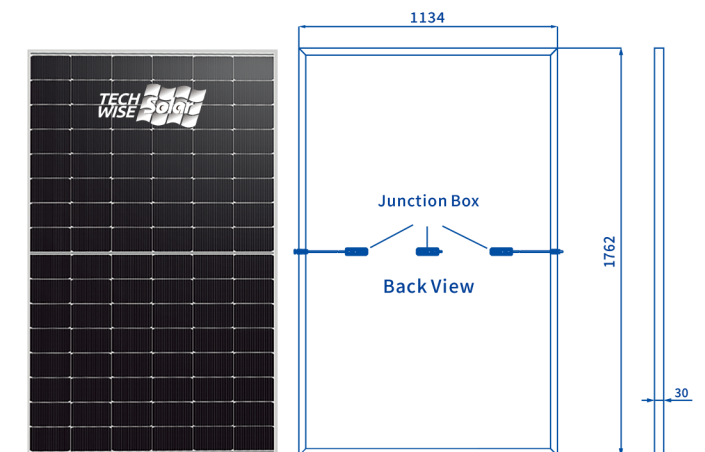
25 Years Linear Power Warranty

TW-455HTS-02

• Product Specification •

Cell Type	Mono crystalline
Cell Quantity	96 cell
Cell Size (mm)	182*105
Module Size (mm)	1762*1134*30
Module Weight (kg)	21.7
Glass Thickness (mm)	3.2
Frame Material	Anodized aluminum alloy
Junction Box	IP68
Cable/Connector	4mm ² , MC4compatible
Cable Length	+300mm/-300mm; or Customize
Max System Volt(V)	1500V DC
Max Fuse Rate(A)	30
Power Tolerance	0-+3%

• Engineering Drawings •



• Electrical Characteristics •

STC standard performance >>>

Power Level	435	440	445	450	455
Pmax(W)	435	440	445	450	455
Vmp(V)	29.84	30.05	30.27	30.49	30.70
Imp(A)	14.58	14.64	14.70	14.76	14.82
Voc(V)	35.66	35.91	36.16	36.43	36.74
Isc(A)	15.17	15.23	15.29	15.35	15.41
Module Efficiency(%)	21.77	22.02	22.27	22.52	22.77

NOCT standard performance >>>

Power Level	435	440	445	450	455
Pmax(W)	326	330	334	338	341
Vmp(V)	26.86	27.05	27.24	27.44	27.63
Imp(A)	12.15	12.20	12.25	12.30	12.35
Voc(V)	32.36	32.58	32.82	33.06	33.29
Isc(A)	12.86	12.91	12.96	13.01	13.07

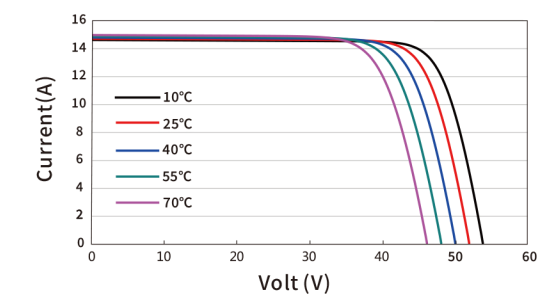
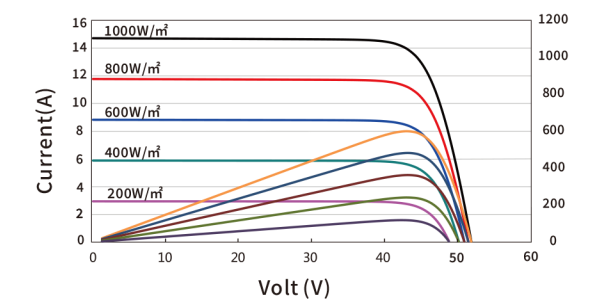
STC: Irradiance 1000W/m², Module Temperature 25°C, AM1.5

NOCT: Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

• Temperature Characteristics •

Operating Temp(°C)	-40~85
Operating Humidity(%)	5~85
Hail Load Tolerance	25mm hailstone with velocity of 23m/s
Temp Coefficient (%/°C)	-0.29
Temp Coefficient Isc (%/°C)	0.046
Temp Coefficient Voc (%/°C)	-0.24
Operating Temp (°C)	44±2

• I-V Curve •



• Packaging Info •

Pieces per Pallet	36
Size of Packaging (mm)	1790*1125*1270
Weight of per Pallet (kg)	806
Pieces per Container	936
Size of Container	40'HC



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