Building the Solar World with Technology & Wisdom

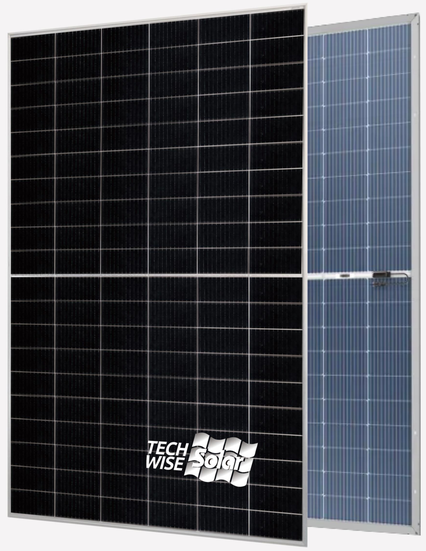
Summit Series

Perc Bifacial
120 - cell Module

TW-600HF

590 - 600W

0-3%Positive Tolerance



Monocrystalline | Half Cell | 12BB | Grade A

• MODULE FEATURES

High Efficiency
Perc 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.

Double-sided electricity generation
Power can be generated on both sides to support additional ou tput gains of up to 25%. The multi-busbar half-cut technology can boost energy density to deliver higher output.

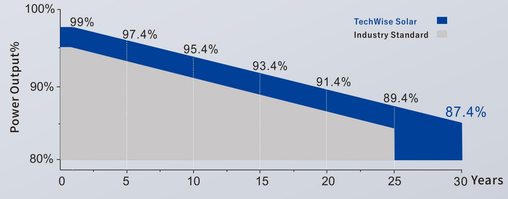
• Quality Certification

ISO

• Product Qualification

TUV SUD | CE | CQC

• Performance Warranty



15 Years Product Warranty

30 Years Linear Power Warranty

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TW-600HF

•Product Specification•

Cell Type	Mono crystalline
Cell Quantity	120 cell
Cell Size(mm)	210*105
Module Size(mm)	2172*1303*35
Module Weight(kg)	35
Glass Thickness(mm)	2.0
Frame Material	Anodized aluminum alloy
Junction Box	IP68
Cable/Connector	4mm², MC4compatible
Cable Length	+300mm/-300mm;or Customize
Max System Volt(V)	1500V DC
Max Fuse Rate(A)	25
Power Tolerance(%)	0-+3%

•Electrical Characteristics•

STC standard performance >>>

Power Level	590	595	600
Pmax(W)	590	595	600
Vmp(V)	34.01	34.20	34.39
Imp(A)	17.35	17.40	17.45
Voc(V)	41.11	41.30	41.49
Isc(A)	18.40	18.45	18.50
Module Efficiency(%)	20.84	21.02	21.20

NOCT standard performance >>>

Power Level	590	595	600
Pmax(W)	447	451	454
Vmp(V)	31.73	31.92	32.02
Imp(A)	14.09	14.13	14.18
Voc(V)	38.73	38.92	39.12
Isc(A)	14.85	14.88	14.92

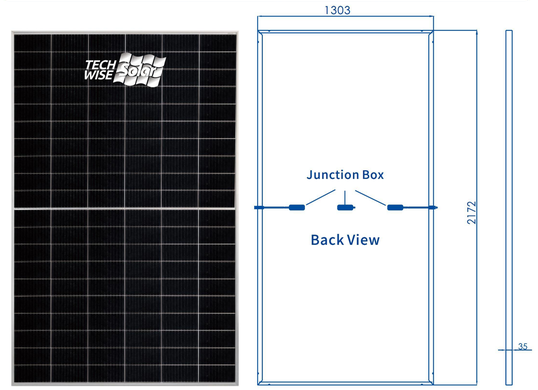
•Bifacial output-backside power gain•

5%Pmax(W)	620	625	630
5% Module Eiffciency	21.9	22.08	22.26
15% Pmax(W)	679	684	690
15% Module Eiffciency	23.9	24.16	24.38
25% Pmax(W)	738	744	750
25% Module Eiffciency	26.07	26.29	26.50

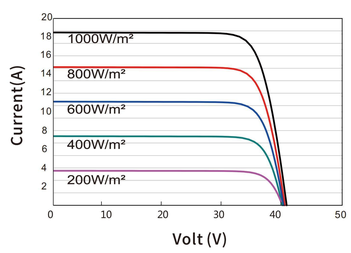
•Temperature Characteristics•

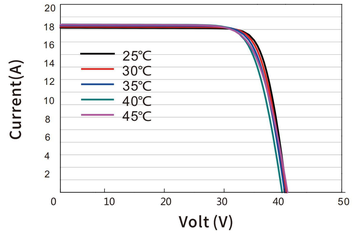
Operating Temp(℃)	-40~85
Operating Humidity(℃)	5~85
Hail Load Tolerance	25mm hailstone with velocity of 23m/s
Temp Coefficient	-0.340
Temp Coefficient Isc (%℃)	0.04
Temp Coefficient Voc (%℃)	-0.25
Operating Temp (℃)	44±2

•Engineering Drawings•



•I-V Curve•





•Packaging Info•

Pieces per Pallet	31
Size of Packaging(mm)	2300*1325*1120
Weight of per Pallet(kg)	1110
Pieces per Container	558
Size of Container	40'HC

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