Building the Solar World with Technology & Wisdom

Sun-Pursuit Series

Monocrystalline
108 - cell Module

TW-415 HT-1

400-415W

0-3%Positive Tolerance

Monocrystalline | Half Cell | 10 BB | 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 wxtreme 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.

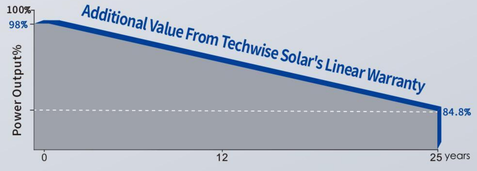
• Quality Certification

ISO

• Product Qualification

TUV | CE

• Performance Warranty



12 Years Product Warranty

25 Years Linear Power Warranty

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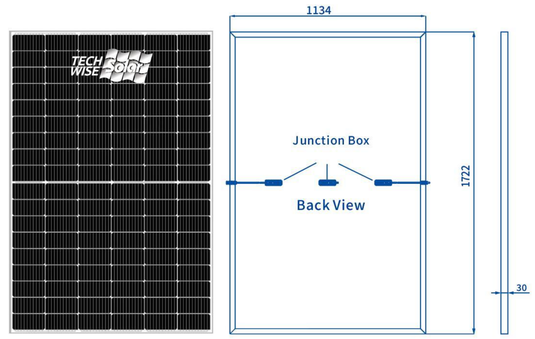
TW-415 HT-1

•Product Specification•

Cell Type	Mono crystalline
Cell Quantity	108 cell
Cell Size(mm)	182*91
Module Size(mm)	1722*1134*30
Module Weight(kg)	20.8
Glass Thickness(mm)	3.2
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%

•Engineering Drawings•



•Electrical Characteristics•

STC standard performance >>>

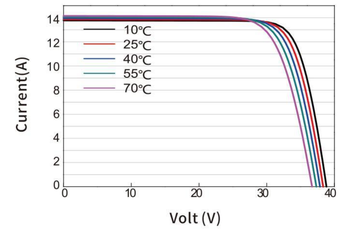
Power Level	400	405	410	415
Pmax(W)	400	405	410	415
Vmp(V)	31.20	31.40	31.60	31.80
Imp(A)	12.83	12.90	12.98	13.06
Voc(V)	37.10	37.30	37.50	37.70
Isc(A)	13.73	13.81	13.88	13.96
Module Efficiency(%)	20.48	20.74	21.00	21.25

NOCT standard performance >>>

Power Level	400	405	410	415
Pmax(W)	303	307	310	313
Vmp(V)	28.96	29.21	29.38	29.53
Imp(A)	10.46	10.51	10.55	10.60
Voc(V)	34.58	34.81	35.03	35.18
Isc(A)	11.08	11.13	11.18	11.23

STC: Irradiance 1000W/㎡,Module Temperature 25℃, AM1.5
NOCT: Irradiance 800W/㎡, Ambient Temperature 20℃, Wind Speed 1m/s

•I-V Curve•



•Temperature Characteristics•

Operating Temp(℃)	-40~85
Operating Humidity(%)	5~85
Hail Load Tolerance	25mm hailstone with velocity of 23m/s
Temp Coefficient(%/℃)	-0.35
Temp Coefficient Isc (%/℃)	0.05
Temp Coefficient Voc (%/℃)	-0.275
Operating Temp (℃)	44±2

•Packaging Info•

Pieces per Pallet	36
Size of Packaging(mm)	1750*1125*1270
Weight of per Pallet(kg)	774
Pieces per Container	936
Size of Container	40'HC

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