

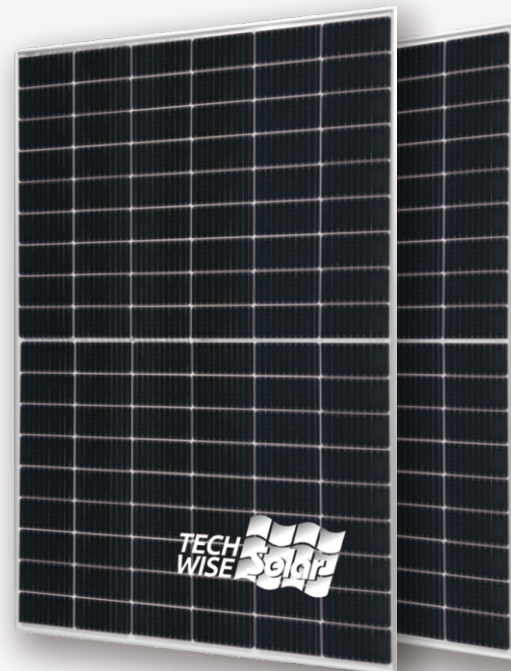
Sun-Pursuit Series

MonoCrystalline
108 - cell Module

TW-E-M54H(V)-415W

395 - 415W

0-3%Positive Tolerance



• MODULE FEATURES

High Efficiency
PERC battery technology brings lower resistance loss, reduces costs per KWH, makes conversion ratio up to 21.31%

Lower Operating Temperature
Innovative structural design half cell technology adoption reduces heat spot Possibilities and power loss situation

Ideal low-light performance
reliable performance in low-light conditions such as in the morning, at dusk and during raining days

Extended Wind and Snow Load Tests
Pass the tests withstand: 2400Pa wind load and 5400Pa snow load

PID Resistant
strict battery quality control ensures excellent PID resistant performance

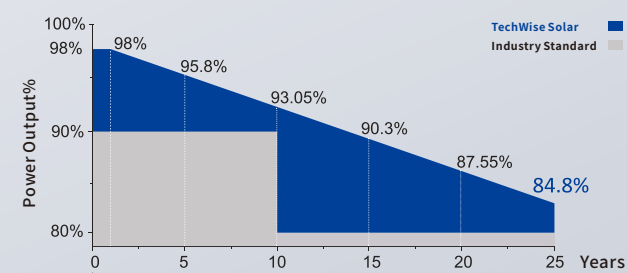
• Quality Certification

ISO9001 / ISO14001 / ISO45001

• Product Qualification



• Performance Warranty



12 Years Product Warranty

25 Years Linear Power Warranty

TW-E-M54H(V)-415W

• Module Specification •

Cell Type	Mono crystalline
Cell Quantity	108 cell
Cell Size (mm)	182*91
Module Size (mm)	1722*1134*30
Module Weight (kg)	20.2
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)	1000V/1500V DC(IEC)
Max Fuse Rate(A)	25
Power Tolerance(%)	0~+3

• Electrical Characteristics •

STC standard performance >>>

Power Level	395	400	405	410	415
Pmax(W)	395	400	405	410	415
Vmp(V)	31.03	31.28	31.52	31.76	31.99
Imp(A)	12.73	12.79	12.85	12.91	12.97
Voc(V)	36.93	37.18	37.42	37.66	37.90
Isc(A)	13.48	13.54	13.60	13.66	13.72
Module Efficiency(%)	20.22	20.48	20.74	20.99	21.31

NOCT standard performance >>>

Power Level	395	400	405	410	415
Pmax(W)	299	303	307	310	315
Vmp(V)	28.70	28.94	29.19	29.36	29.54
Imp(A)	10.42	10.47	10.52	10.56	10.61
Voc(V)	34.35	34.58	34.81	35.03	35.26
Isc(A)	11.03	11.08	11.13	11.18	11.23

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

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

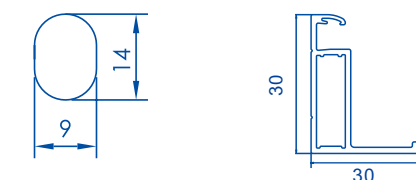
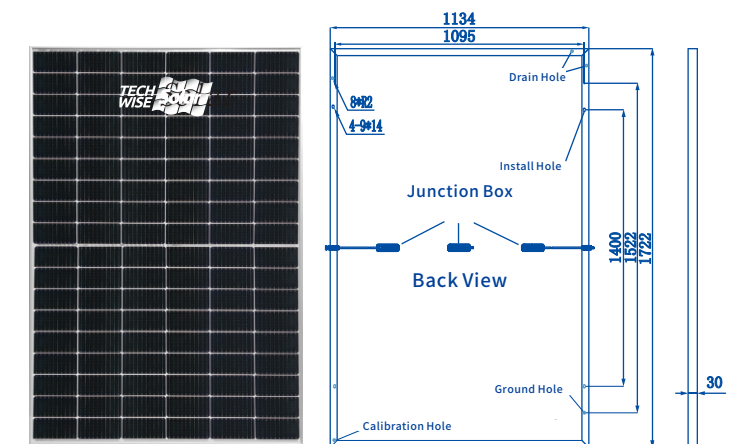
• Temperature Characteristics •

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

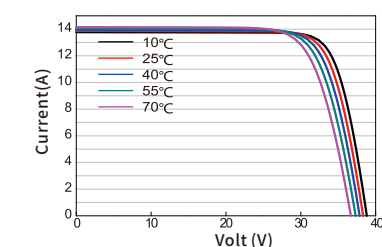
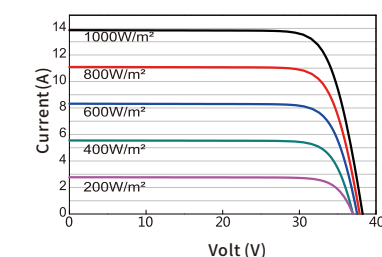


Tel: 86-513-81900128
Zip Code: 226400
Add: China Jiangsu Province Nantong City
Rudong CaoBu Industrial Park
Email: salesdept@techwisesolar.com
Web: www.techwisesolar.com

• Engineering Drawings •



• I-V Curve •



• Packaging Info •

Pieces per Pallet	36
Size of Packaging (mm)	1790*1140*1275
Weight of per Pallet (kg)	772
Pieces per Container	936
Size of Container	40'HC

All data and specifications included in this brochure may subject to be modified without notice.
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