

JHM5/54H 395-415Wp

PERC Monocrystalline Half-cut Cell Solar Module



Nondestructive Scribing Technology

Special cutting and soldering technology leads to low hotspot risk



Black Appearance

Aesthetically integrated with roof colors



GPRU Composite PV Frame

Lightweight, high-strength, corrosion-resistant, insulating material with customized colors



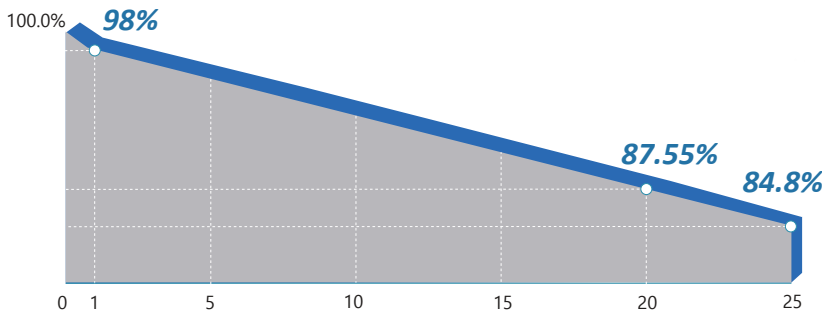
PID Resistance

According to IEC TS 62804-1



Linear Performance Warranty

$\leq 2\%$ 1st year Degradation $\leq 0.55\%$ Annual Degradation



12 Years Product Warranty

25 Years Linear Power Warranty



IEC61215/61730:2016
 IEC62804(PID free)
 IEC62716(Ammonia)
 IEC61701(Salt fog)
 ISO9001/14001/45001

ELECTRICAL CHARACTERISTICS

| Module Type | JHM5/54H395 | | JHM5/54H400 | | JHM5/54H405 | | JHM5/54H410 | | JHM5/54H415 | |
|---------------------------------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|
| | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT |
| Peak Power (Pmax) (W) | 395 | 299 | 400 | 303 | 405 | 307 | 410 | 311 | 415 | 315 |
| Maximum Power Voltage (Vmp) (V) | 30.7 | 28.3 | 30.9 | 28.5 | 31.1 | 28.8 | 31.3 | 29.0 | 31.5 | 29.2 |
| Maximum Power Current (Imp) (A) | 12.87 | 10.55 | 12.94 | 10.61 | 13.02 | 10.67 | 13.10 | 10.73 | 13.17 | 10.79 |
| Open-circuit Voltage (Voc) (V) | 37.0 | 34.8 | 37.2 | 35.0 | 37.4 | 35.2 | 37.6 | 35.4 | 37.8 | 35.6 |
| Short-circuit Current (Isc) (A) | 13.79 | 11.16 | 13.86 | 11.22 | 13.93 | 11.28 | 14.00 | 11.33 | 14.07 | 11.39 |
| Module Efficiency | 20.23% | | 20.48% | | 20.74% | | 21.00% | | 21.25% | |

*STC (Standard Test Condition): Irradiance 1000W/ m², Cell Temperature 25°C, AM 1.5

*NMOT(Under Nominal Module Operating Temperature): Irradiance of 800W/ m², Spectrum AM 1.5, Ambient Temperature 20°C, Wind Speed 1m/s

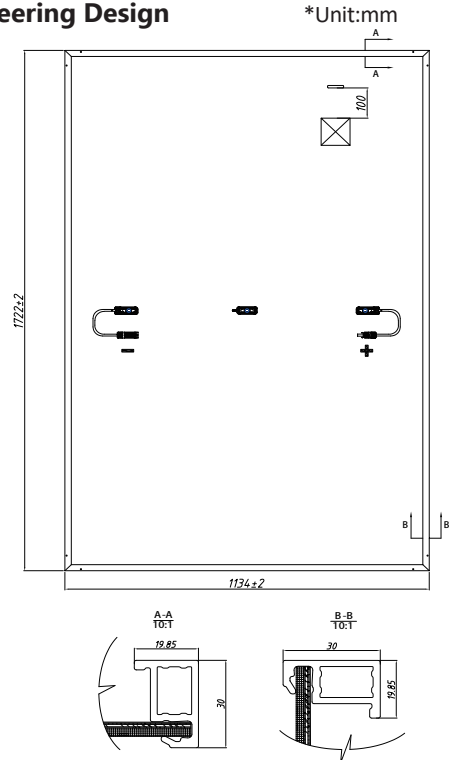
MECHANICAL CHARACTERISTICS

| | |
|-------------------|-------------------------------------|
| Cell Type | PERC Mono-Crystalline |
| Cell Arrangement | 108pcs (2×(6×9)) |
| Dimension (L×W×H) | 1722×1134×30mm |
| Weight | 20.5kg |
| Front Cover | 3.2mm Tempered Glass |
| Frame | GPRU Composite Material |
| Junction Box | IP68, 3 Bypass Diodes |
| Cable | 4mm ² /400mm(+)&200mm(-) |
| Connector | MC4 Compatible |
| Snow/Wind Load | 5400Pa/2400Pa |

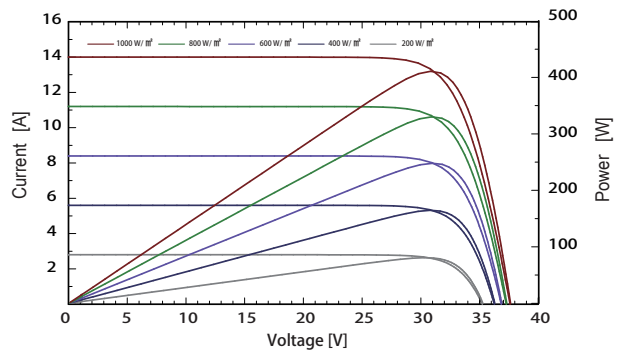
OPERATING PARAMETERS

| | |
|----------------------------|------------------|
| Power tolerance | 0~+5W |
| Maximum System Voltage | 1500V DC (IEC) |
| Operating Temperature | -40°C~+85°C |
| Maximum Series Fuse Rating | 25 A |
| Protection Class | Class II |

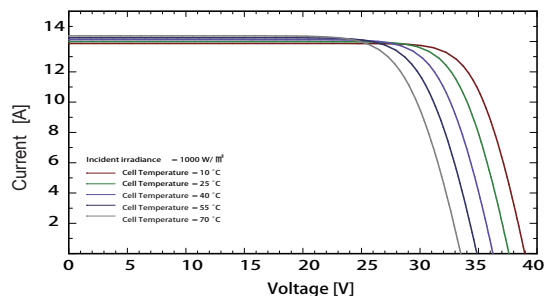
Engineering Design



I-V/P-V Curve at Different Irradance (410W)



I-V Curve at Different Working Temperature (410W)



TEMPERATURE CHARACTERISTICS

| | |
|---------------------------------|--------|
| Temperature coefficient of Pmax | -0.35% |
| Temperature coefficient of Voc | -0.26% |
| Temperature coefficient of Isc | 0.036% |
| NMOT | 44±2°C |

PACKING MANNER

| | |
|------------------|------|
| Packing Type | 40HQ |
| Piece/Pallet | 36 |
| Pallet/Container | 26 |
| Piece/Container | 936 |

*Power measurement tolerance: ±3%

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