

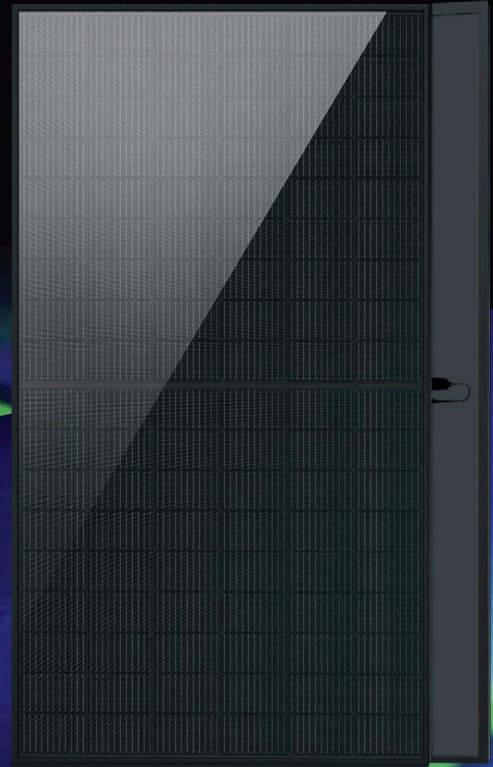


Monofacial Series  
Full Black



# 395~415W

## HY-P10/54BH



Module Efficiency up to 21.3%



SMBB + Half-cell tech, reduce internal current loss, improve module efficiency, minimize micro-crack impacts, and improve module reliability



Non-destructive Slicing Tech, reduce micro-crack risk



Resistant to harsh environments



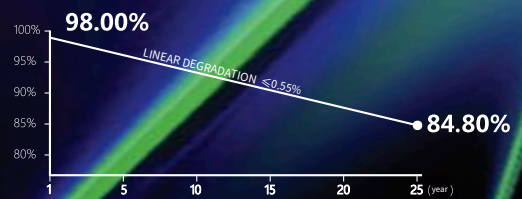
Anti PID



More energy yield, lower BOS and LCOE



All black Aesthetics Module



15-YEAR PRODUCT WORKMANSHIP WARRANTY

25-YEAR LINEAR POWER WARRANTY

### Comprehensive Products and System Certificates

IEC 61215, IEC 61730  
ISO 9001:2015 Quality management systems  
ISO 14001:2015 Environmental management systems  
ISO 45001:2018 Occupational health and safety management systems



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The product specifications are subject to change without prior notice.  
Please use our latest version.

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## Electrical performance parameters

\*STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25° C, AM=1.5

|                                 |       |       |       |       |       |
|---------------------------------|-------|-------|-------|-------|-------|
| Rated output (Pmpp / Wp)        | 395   | 400   | 405   | 410   | 415   |
| Rated voltage (Vmpp / V)        | 30.86 | 31.01 | 31.16 | 31.31 | 31.46 |
| Rated current (Impp / A)        | 12.80 | 12.90 | 13.00 | 13.09 | 13.19 |
| Open circuit voltage (Voc / V)  | 36.63 | 36.78 | 36.93 | 37.08 | 37.23 |
| Short-circuit current (Isc / A) | 13.42 | 13.52 | 13.61 | 13.70 | 13.80 |
| Module efficiency               | 20.2% | 20.5% | 20.7% | 21.0% | 21.3% |
| Power tolerance                 | 0~+5W |       |       |       |       |

NMOT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20° C, AM=1.5, Wind Speed 1m/s

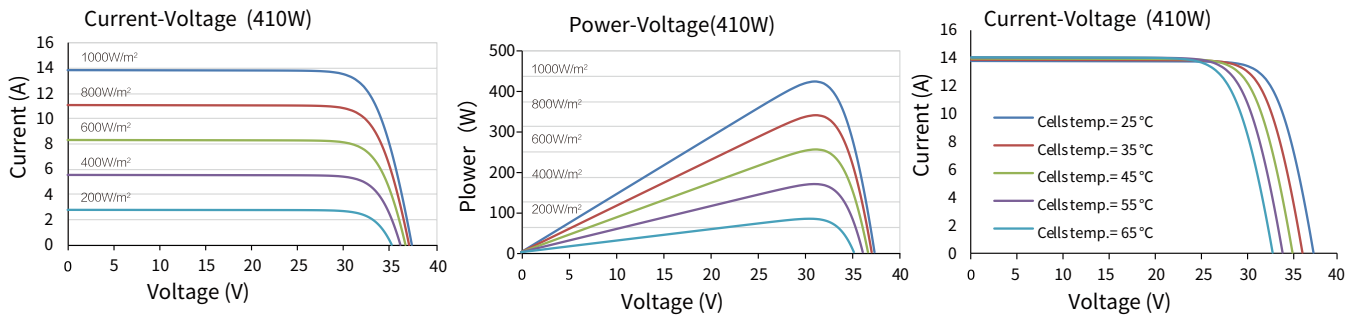
|                                 |       |       |       |       |       |
|---------------------------------|-------|-------|-------|-------|-------|
| Rated output (Pmpp / Wp)        | 299.0 | 302.8 | 306.6 | 310.3 | 314.1 |
| Rated voltage (Vmpp / V)        | 28.62 | 28.76 | 28.90 | 29.04 | 29.18 |
| Rated current (Impp / A)        | 10.44 | 10.52 | 10.60 | 10.68 | 10.76 |
| Open circuit voltage (Voc / V)  | 34.58 | 34.72 | 34.86 | 35.00 | 35.15 |
| Short-circuit current (Isc / A) | 10.75 | 10.82 | 10.90 | 10.97 | 11.05 |

## Temperature Ratings (STC)

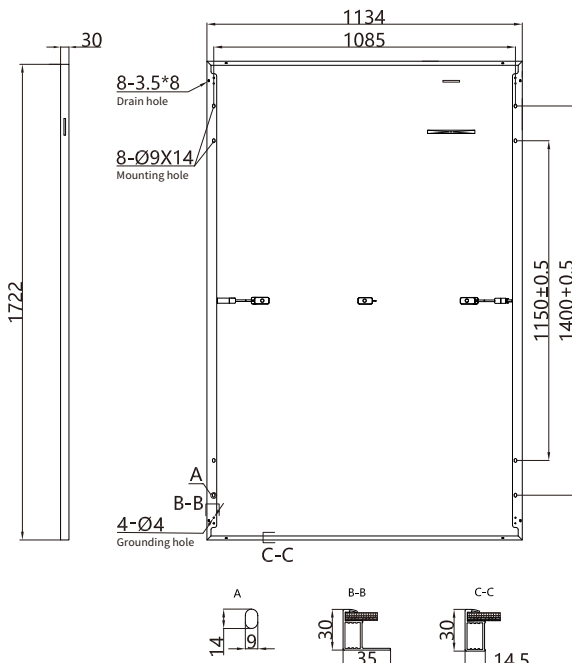
|   |           |
|---|-----------|
| Temperature coefficient (Pmpp)              | -0.34%/°C |
| Temperature coefficient (Isc)               | +0.05%/°C |
| Temperature coefficient (Voc)               | -0.26%/°C |
| Nominal module operating temperature (NMOT) | 42±2°C    |

## Operating Parameters

|                           |                     |
|---------------------------|---------------------|
| Max. system voltage (IEC) | 1500V <sub>DC</sub> |
| Number of diodes          | 3                   |
| Junction box IP rating    | IP 68               |
| Max. series fuse rating   | 25 A                |
| Operational temperature   | -40~+85°C           |



## Mechanical parameters



|                                    |  |
|------------------------------------|--|
| Outer dimensions (L x W x H)       | 1722x 1134 x 30 mm                                   |
| Cell                               | P type mono-crystalline                              |
| Number of cells                    | 108 (6*18)   |
| Frame Type                         | Aluminum, black anodized                             |
| Glass thickness                    | 3.2 mm   |
| Cable length (including connector) | Portrait: (+)300 mm, (-)300 mm;<br>Customized length |
| Cable diameter (IEC)               | 4 mm <sup>2</sup> / 12 AWG                           |
| ① Maximum test mechanical load     | 5400 Pa (front) / 2400 Pa (back)                     |
| Connector type (IEC)               | MC4 EVO2 compatible/MC4 EVO2                         |
| Module weight                      | 21.3 kg  |
| Packaging unit                     | 36 pcs / box   |
| Weight of packing unit             | 810 kg/box   |
| Modules per 40' HQ container       | 936 pcs  |

① Please refer to the installation manual or contact us to confirm.  
The maximum test mechanical load = 1.5 × maximum design mechanical load.

\*The data above is for reference only and the actual data is in accordance with the practical testing. Power Measurement Tolerance ±3% under STC standard.