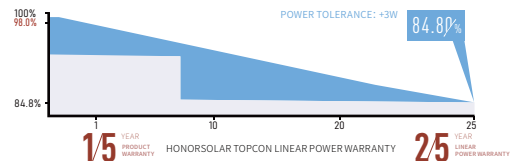




410<sup>W</sup> - 440<sup>W</sup> HY-M10 108H

182 mm M BB 108 pcs | TOPCon All-Black Mono-Crystalline Half-Cell PV Module



 Half-cell TOPCon cells with super multi-busbar technology

 Fire Resistance Class A

 Excellent low-light power generation performance

 Enhanced mechanical load capacity

 100% tested with a 25-year guaranteed system operation

 PID resistance



HY-M10/108H

182 mm M BB 108 pcs TOPCon All-Black Mono-Crystalline Half-Cell PV Module

## Electrical Specification (STC/NOCT)

| MODEL                        | HY-M10/108H-410    |       | HY-M10/108H-415 |       | HY-M10/108H-420 |       | HY-M10/108H-425 |       | HY-M10/108H-430 |       | HY-M10/108H-435 |       | HY-M10/108H-440 |       |
|------------------------------|--------------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|
|                              | STC                | NOCT  | STC             | NOCT  | STC             | NOCT  | STC             | NOCT  | STC             | NOCT  | STC             | NOCT  | STC             | NOCT  |
| Power Output-Pmax(W)         | 410                | 308   | 415             | 312   | 420             | 316   | 425             | 320   | 430             | 323   | 435             | 327   | 440             | 331   |
| Maximum Power Voltage-Vmp(V) | 32.20              | 29.06 | 32.39           | 29.21 | 32.59           | 29.34 | 32.78           | 29.50 | 32.98           | 29.63 | 33.18           | 29.76 | 33.38           | 29.89 |
| Maximum Power Current-Imp(A) | 12.75              | 10.61 | 12.83           | 10.68 | 12.91           | 10.76 | 12.99           | 10.83 | 13.06           | 10.91 | 13.12           | 10.98 | 13.18           | 11.05 |
| Open-Circuit Voltage-Voc(V)  | 38.47              | 35.84 | 38.67           | 36.02 | 38.87           | 36.20 | 39.07           | 36.38 | 39.26           | 36.56 | 39.46           | 36.74 | 39.66           | 36.92 |
| Short-Circuit Current-Isc(A) | 13.61              | 11.23 | 13.69           | 11.29 | 13.78           | 11.36 | 13.86           | 11.42 | 13.94           | 11.49 | 14.01           | 11.56 | 14.08           | 11.63 |
| Module Efficiency-ηm(%)      | 21.00              | /     | 21.3            | /     | 21.5            | /     | 21.8            | /     | 22.0            | /     | 22.3            | /     | 22.5            | /     |
| Power Tolerance(W)           | (0,+5W)            |       |                 |       |                 |       |                 |       |                 |       |                 |       |                 |       |
| Maximum System Voltage(V)    | 1500Vdc (IEC / UL) |       |                 |       |                 |       |                 |       |                 |       |                 |       |                 |       |
| Max Series Fuse Rating(A)    | 25A                |       |                 |       |                 |       |                 |       |                 |       |                 |       |                 |       |

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

\*NOCT Testing Conditions: Irradiance 800 W/m², Cell Temperature 20°C, Wind Speed 1 m/s

## Structural Performance

|                            |                                                   |
|----------------------------|---------------------------------------------------|
| Cell Arrangement           | TOPCon Mono-Crystalline 182mm(2x54pcs)            |
| Dimensions of Module L*W*H | 1722x1134x30mm                                    |
| Weight                     | 20.4 kg                                           |
| Glass                      | Coated, 3.2mm tempered Glass, low Iron            |
| Frame                      | Anodized aluminium alloy                          |
| Junction Box               | IP68                                              |
| Cables                     | 4.0mm², 30cm(+),30cm(-), length can be customized |
| Mechanical Load            | Front Side Max.5400Pa, Rear Side Max.2400Pa       |
| Connector                  | MC4 Compatible                                    |

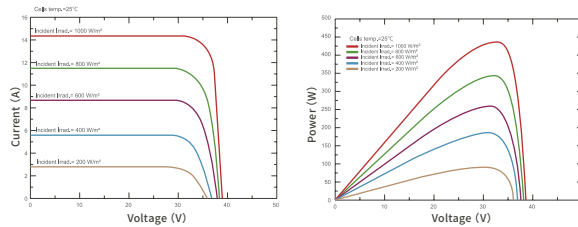
## Temperature characteristics

|                                           |           |
|-------------------------------------------|-----------|
| Nominal Operating Cell Temperature (NOCT) | 45±2 C    |
| Temperature Coefficient of Pmax           | -0.290% C |
| Temperature Coefficient of Voc            | -0.250% C |
| Temperature Coefficient of Isc            | +0.045% C |
| Operational Temperature                   | -40~+85 C |

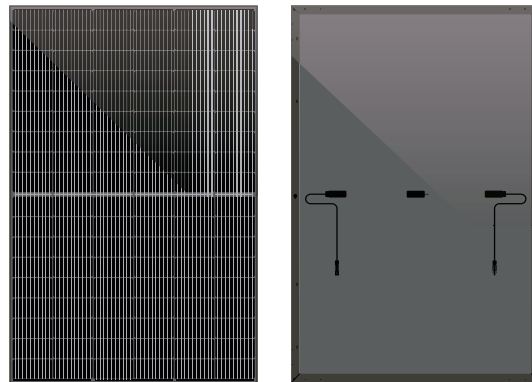
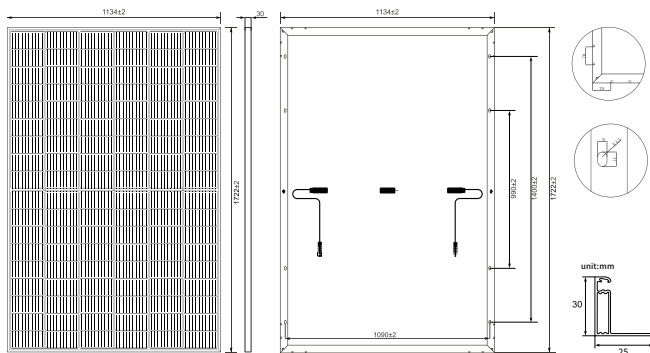
## Packaging

|                          |                |
|--------------------------|----------------|
|                          | 1722x1134x30mm |
| Container                | 40'HQ          |
| Module per box           | 37             |
| Module per 40' Container | 962            |

## Current-Voltage & Power-Voltage Curves



\*The unit is millimeter.  
\*The picture below is a schematic diagram of the product, if you need detailed drawings, please contact HonorSolar.



Specifications are subject to change without prior notice!

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