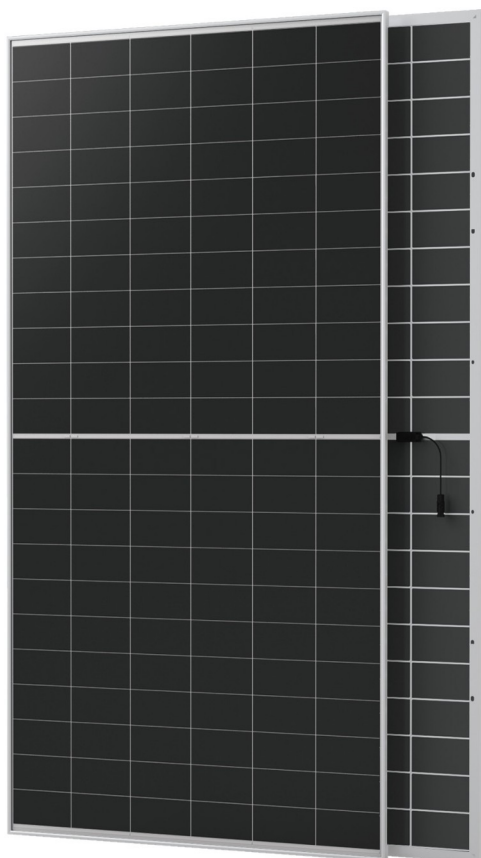


635~  
660W

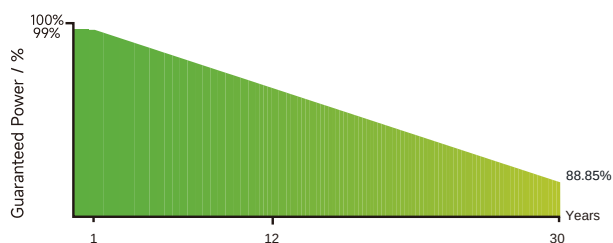
**HY660-B132EDD**

N-HYBC , Bi-facial  
132-cell, Back-contact  
0~+3% positive tolerance



## LINEAR PERFORMANCE WARRANTY

- 15** Year Product Warranty
- 30** Year Linear Power Warranty



## KEY FEATURES



### Back-contact

Applying back contact technology , effectively improve optical utilization efficiency , Reduce internal current loss , Obtain higher output power



### More Power

Industry leading N-HYBC technology applied to generate ultra-high power up to 660Wp with optimized temperature coefficient and lower working temperature



### High Reliability

Strict outsourcing BOM materials quality control and 100% in-house wafer and the HYBC cell performance boost the power warranty to 30 Year



### Excellent Low-light Performance

Advanced N-HYBC solarcell technology allows for excellent performance in low-light environments



### Highly Strengthened Design

Certified to withstand: 5400Pa snow load and 2400Pa wind load



### PID Resistant

Excellent PID resistance performance optimized by unique cell process design and BOM material control



### Fire resistance

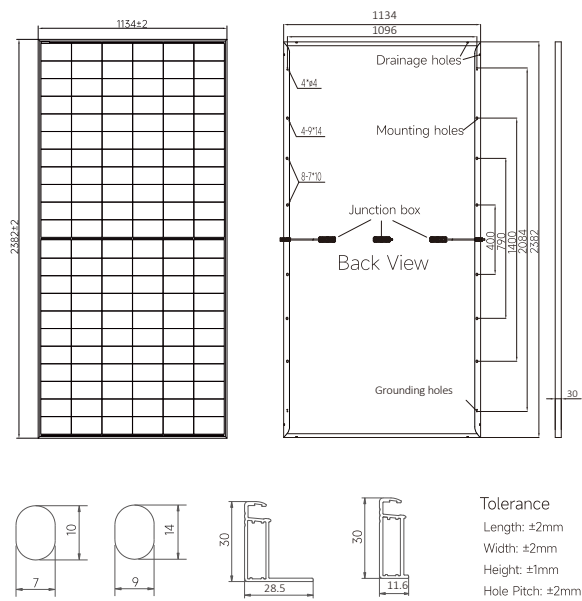
Class of reaction to Class A

IEC 61215 , IEC 61730



# HY660-B132EDD

## Engineering Drawings



## Electrical Characteristics

|                                    | HY635-B132EDD | HY640-B132EDD | HY645-B132EDD | HY650-B132EDD | HY655-B132EDD | HY660-B132EDD |
|------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Pmax(W)                            | 635           | 640           | 645           | 650           | 655           | 660           |
| Vmp(V)                             | 40.81         | 40.93         | 41.04         | 41.14         | 41.25         | 41.36         |
| Imp(A)                             | 15.56         | 15.64         | 15.72         | 15.80         | 15.88         | 15.96         |
| Voc (V)                            | 49.46         | 49.56         | 49.66         | 49.78         | 49.87         | 49.97         |
| Isc(A)                             | 16.27         | 16.35         | 16.43         | 16.50         | 16.58         | 16.66         |
| Module efficiency(%)               | 23.51         | 23.69         | 23.88         | 24.06         | 24.25         | 24.43         |
| Maximum system voltage(V)          | 1500          |               |               |               |               |               |
| Fuse Rating(A)                     | 30            |               |               |               |               |               |
| Temperature coefficient Pmax(%/°C) | -0.26         |               |               |               |               |               |
| Temperature coefficient Isc(%/°C)  | 0.05          |               |               |               |               |               |
| Temperature coefficient Voc(%/°C)  | -0.22         |               |               |               |               |               |

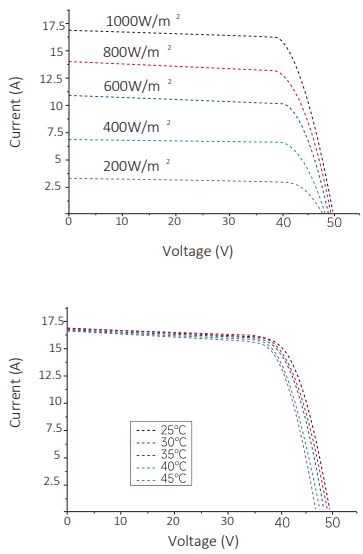
STC: Irradiance 1000W/m<sup>2</sup>, module temperature 25°C, AM=1.5

## Working Characteristics

|                    | HY635-B132EDD | HY640-B132EDD | HY645-B132EDD | HY650-B132EDD | HY655-B132EDD | HY660-B132EDD |
|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Pmax(W)            | 487           | 491           | 495           | 499           | 503           | 507           |
| Vmp(V)             | 38.51         | 38.64         | 38.74         | 38.87         | 39.00         | 39.10         |
| Imp(A)             | 12.65         | 12.71         | 12.78         | 12.84         | 12.90         | 12.97         |
| Voc(V)             | 46.99         | 47.09         | 47.19         | 47.31         | 47.40         | 47.48         |
| Isc(A)             | 13.12         | 13.18         | 13.24         | 13.30         | 13.36         | 13.43         |
| Power tolerance(%) | 0~+3          |               |               |               |               |               |
| NOCT(°C)           | 44±2          |               |               |               |               |               |

NOCT: Conditions:Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s

## I-V Curves



## Mechanical Characteristics

|                         |                                   |
|-------------------------|-----------------------------------|
| Number of cells         | 132pcs                            |
| Size of cell (mm)       | 182*105                           |
| Type of cell            | N-IBC Mono                        |
| Thickness of glass (mm) | 2.0                               |
| Type of frame           | Anodized aluminum alloy           |
| Junction box            | IP68                              |
| Size of module (mm)     | 2382*1134*30mm                    |
| Weight (kg)             | 32.5                              |
| Cables/connectors       | 4mm <sup>2</sup> , MC4 compatible |
| Length of Cable         | Portrait:+300mm/-300mm            |

## Packing Configuration

|                        |                |
|------------------------|----------------|
| Pieces per pallet      | 36             |
| Size of packing (mm)   | 1160*1130*2535 |
| Weight of packing (kg) | 1190           |
| Pieces per container   | 720            |
| Size of container      | 40' HQ         |

## Maximum Ratings

|                           |                                      |
|---------------------------|--------------------------------------|
| Operating Temperature(°C) | -40~85                               |
| Operating humidity(%)     | 5-85                                 |
| Allowable Hail Load       | 25mm ice-ball with velocity of 23m/s |