

## Electrical Characteristics

| Module Type                          | NB-285-DMN | NB-290-DMN | NB-295-DMN | NB-300-DMN |
|--------------------------------------|------------|------------|------------|------------|
|                                      | STC        | STC        | STC        | STC        |
| Maximum Power at STC (Pmp)           | 285        | 290        | 295        | 300        |
| Open Circuit Voltage (Voc)           | 40.80      | 41.00      | 41.20      | 41.40      |
| Short Circuit Current (Isc)          | 8.73       | 8.84       | 8.95       | 9.05       |
| Maximum Power Voltage (Vmp)          | 34.80      | 34.90      | 35.0       | 35.10      |
| Maximum Power Current (Imp)          | 8.18       | 8.30       | 8.42       | 8.54       |
| Module Efficiency at STC( $\eta_m$ ) | 19.40      | 19.68      | 19.96      | 20.23      |
| Power Tolerance                      | (0, +3%)   |            |            |            |
| Maximum System Voltage               | 1000V DC   |            |            |            |
| Maximum Series Fuse Rating           | 15 A       |            |            |            |

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25°C AM=1.5  
Power measurement tolerance: +/-3%

## Temperature Characteristics

|   |            |
|---|------------|
| Pmax Temperature Coefficient              | -0.35 %/°C |
| Voc Temperature Coefficient               | -0.27 %/°C |
| Isc Temperature Coefficient               | +0.05 %/°C |
| Operating Temperature                     | -40~+85 °C |
| Nominal Operating Cell Temperature (NOCT) | 45 ± 2 °C  |

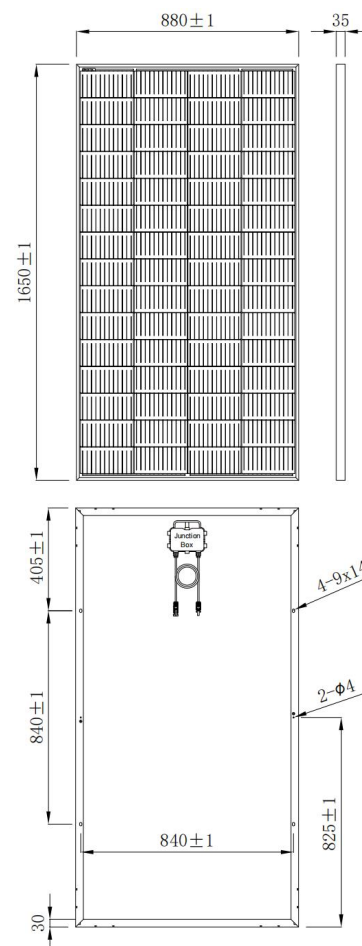
## Mechanical Specifications

|                     |  |
|---------------------|--|
| External Dimensions | 1650 x 880 x 35 mm   |
| Weight              | 18 kg  |
| Solar Cells         | PERC Mono (60 pcs)   |
| Front Glass         | 3.2 mm AR coating tempered glass, low iron                   |
| Frame               | Anodized aluminum alloy                                      |
| Junction Box        | IP68,3 diodes  |
| Output Cables       | 4.0 mm <sup>2</sup> , 900mm(+)/900mm(-) or Customized Length |
| Mechanical Load     | Front side 5400Pa / Rear side 2400Pa                         |

## Packing Configuration

|                       | 1650 x 880 x 35 mm |       |
|-----------------------|--------------------|-------|
| Container             | 20'GP              | 40'HQ |
| Pieces per Pallet     | 31                 | 31    |
| Pallets per Container | 12                 | 28    |
| Pieces per Container  | 372                | 868   |

\* For details, please consul NABAI .



## I-V Curve

