

# Tarzan Series

## 665W MBB Bifacial Double Glass Mono PERC Half-cell Module S9-132GA 645~665W



- ▲ Higher output power
- ▲ Module efficiency up to 21.4%
- ▲ Lower temperature coefficient
- ▲ Up to 30% additional power gain from back side depending on albedo



- ▲ Lower LCOE (Levelized Cost Of Energy)
- ▲ High Power output lead to lower BOS cost



- ▲ ISO9001:2015 Quality Management system
- ▲ ISO14001:2015 Environmental Management System
- ▲ ISO45001:2018 Occupational Health and Safety Management System



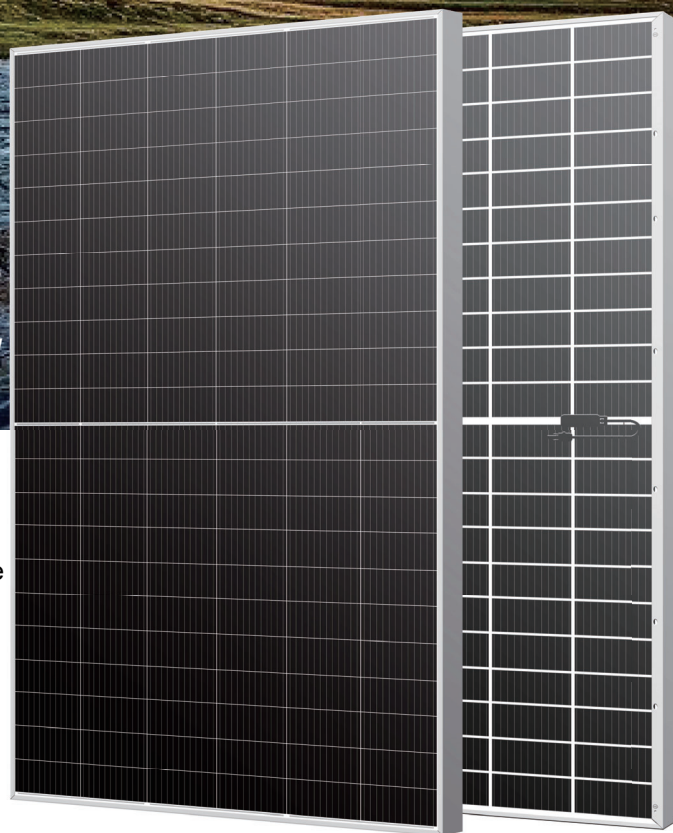
- ▲ Salt Mist Corrosion Protect
- ▲ Ammonia Resistance



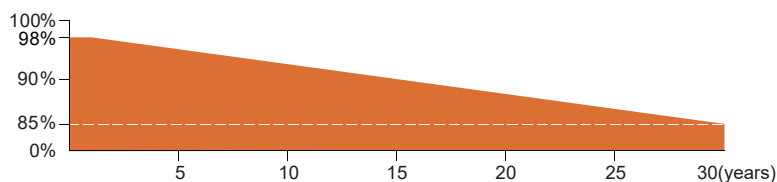
Excellent Potential Induced Degradation Resistance



Excellent Wind Load 2400Pa&Snow Load 5400Pa Under Certain Installation Method



### Runda's linear performance warranty



Tel: +86-0510-83801000

Fax: +86-0510-83802000

Web: [www.rundapv.com](http://www.rundapv.com)

E-mail: [sales@rundapv.com](mailto:sales@rundapv.com)

Add: Yanxiang Road 108, Ehu Town, Xishan District, Wuxi City, Jiangsu Province, P.R.China



# Tarzan Series

RS645~665S9-132GA

## Electrical Characteristics(STC\*)

|                              |       |       |       |       |       |
|------------------------------|-------|-------|-------|-------|-------|
| Power Output(Wp)             | 645   | 650   | 655   | 660   | 665   |
| Max Power Tolerance(W)       | 0-5   | 0-5   | 0-5   | 0-5   | 0-5   |
| Module Efficiency(%)         | 20.8  | 20.9  | 21.1  | 21.2  | 21.4  |
| Voltage Mpp-Vmpp(V)          | 37.52 | 37.72 | 37.91 | 38.08 | 38.28 |
| Current Mpp-Impp(A)          | 17.19 | 17.23 | 17.28 | 17.33 | 17.37 |
| Voltage Open Circuit-Voc(V)  | 45.50 | 45.68 | 45.87 | 46.03 | 46.24 |
| Short Circuit Current-Isc(A) | 18.58 | 18.63 | 18.68 | 18.73 | 18.78 |

\*STC:Irradiance 1000 W/m<sup>2</sup>,Environment Temperature 25°C,Air Mass AM1.5

## Electrical Characteristics With 10% Rear Side Power Gain

|                              |       |       |       |       |       |
|------------------------------|-------|-------|-------|-------|-------|
| Power Output(Wp)             | 710   | 715   | 721   | 726   | 732   |
| Voltage Mpp-Vmpp(V)          | 37.52 | 37.72 | 37.91 | 38.08 | 38.28 |
| Current Mpp-Impp(A)          | 18.91 | 18.95 | 19.01 | 19.06 | 19.11 |
| Voltage Open Circuit-Voc(V)  | 45.50 | 45.68 | 45.87 | 46.03 | 46.24 |
| Short Circuit Current-Isc(A) | 20.44 | 20.49 | 20.55 | 20.60 | 20.66 |

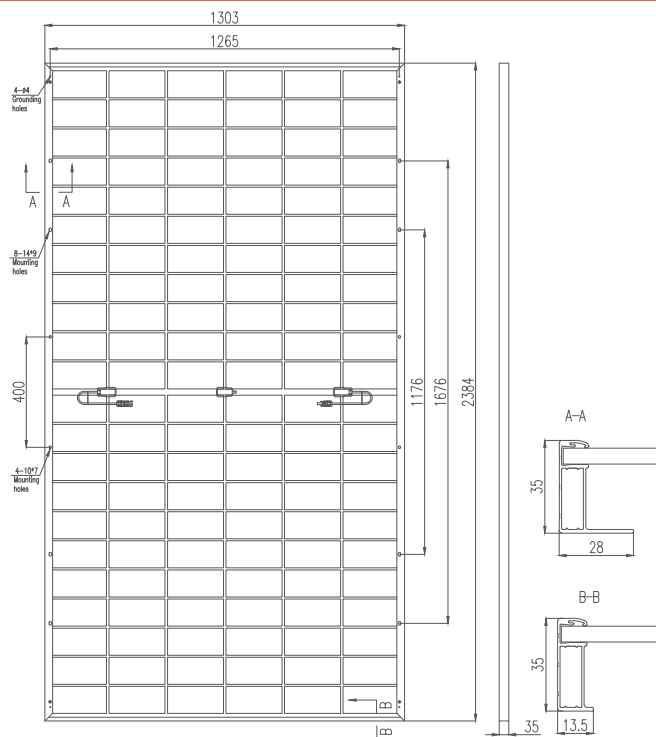
\*Rear side power gain:The additional gain from the rear side compared to the power of the front side at the standard test condition.It depends on mounting (structure,height,tilt angle etc.)and albedo of the ground

## Electrical Characteristics(NMOT\*)

|                              |        |        |        |        |        |
|------------------------------|--------|--------|--------|--------|--------|
| Power Output(Wp)             | 495.51 | 499.35 | 503.19 | 507.03 | 510.88 |
| Voltage Mpp-Vmpp(V)          | 34.20  | 34.39  | 34.55  | 34.71  | 34.90  |
| Current Mpp-Impp(A)          | 14.49  | 14.52  | 14.56  | 14.61  | 14.64  |
| Voltage Open Circuit-Voc(V)  | 42.01  | 42.18  | 42.35  | 42.50  | 42.69  |
| Short Circuit Current-Isc(A) | 15.80  | 15.84  | 15.88  | 15.92  | 15.97  |

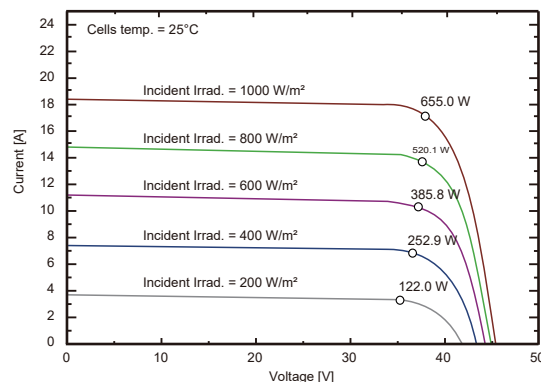
\*NMOT:Irradiance 800 W/m<sup>2</sup>,Environment Temperature 20°C,Air Mass AM1.5

## Module Structure Drawing

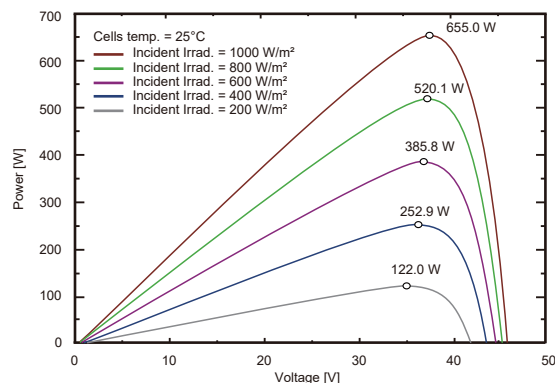


\*400mm mounting holes are only suitable for 6005-T6 aluminum frame

## I-V Curves(655W)



## P-V Curves(655W)



## Mechanical Data

|                     |                                              |
|---------------------|----------------------------------------------|
| Dimension Of Module | 2384*1303*35mm                               |
| Weight              | 38kg                                         |
| Front/Back Glass    | 2.0mm heat strengthened glass                |
| Cables              | 4mm <sup>2</sup> /300mm or Customized Length |
| Junction Box        | IP68,3 Bypass-Diode                          |
| Connector           | MC4 compatible                               |

## Packaging Configuration

|                  |               |
|------------------|---------------|
| Loading Capacity | 558 pcs/40'HQ |
|------------------|---------------|

## Working Conditions

|                         |                         |
|-------------------------|-------------------------|
| Max System Voltage(VDC) | 1500V                   |
| Max Series Fuse Rating  | 35A                     |
| Maximum Load Capacity   | Snow 5400Pa/Wind 2400Pa |
| Operating Temperature   | -40~+85                 |
| Safety Class            | II                      |
| Power Bifaciality       | 70±5%                   |

## Temperature Ratings

|                                        |         |
|----------------------------------------|---------|
| Temperature Coefficients of Isc(%/°C)  | 0.026   |
| Temperature Coefficients of Voc(%/°C)  | -0.272  |
| Temperature Coefficients of Pmpp(%/°C) | -0.353  |
| NMOT                                   | 45±2 °C |