



**TADIRAN**  
NEW ENERGY

## N-TYPE BIFACIAL MODULE WITH DOUBLE GLASS

### DMXXXG12RT-B66HSW

טווח הספקים: 610-635W | נצילות מקסימלית: 23.5%



#### איכות מעולה

ניסיון של יותר מ-40 שנים של ייצור, בקרת איכות אינטנסיבית ועמידה בתקנים מחמירים, מבטיחים פאנלים אמינים והשקעה בטוחה



#### ביצועים בתאורה נמוכה

הפאנלים שלנו יכולים לספק תפוקה גבוהה גם בתנאי תאורה חלשה, כגון שקיעה, עננות או זריחה.

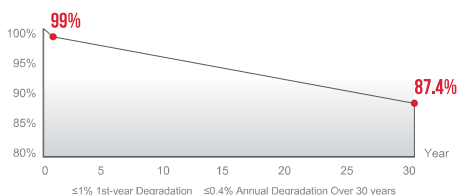


#### פתרון מצוין לגגות

פאנלים מאבדים נצילות בחום גבוה, עם זאת, הטכנולוגיה החדשה המיושמת בפאנלים של תדיראן, מאפשרת מזעור איבוד הנצילות ושמירה על תפוקה גבוהה גם בטמפרטורה גבוהה

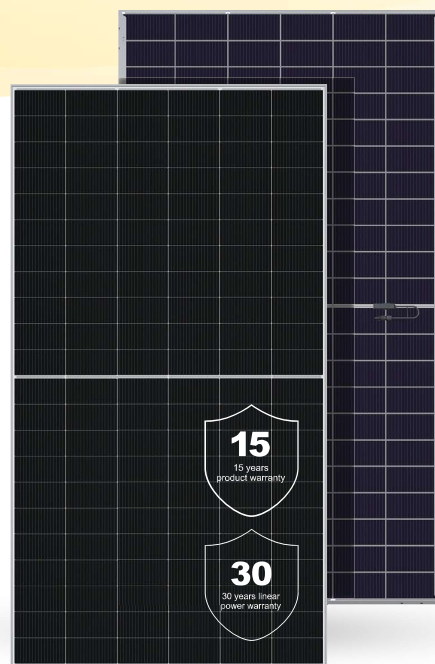


#### POWER WARRANTY



#### PRODUCT CERTIFICATION

IEC 61215, IEC 61730  
Extended-Stress (IEC TS 63209)  
Ammonia Corrosion (IEC 62716)  
Salt Mist Corrosion (IEC 61701)  
LeTID (IEC TS 63342)  
Dust & Sand (IEC 60068)





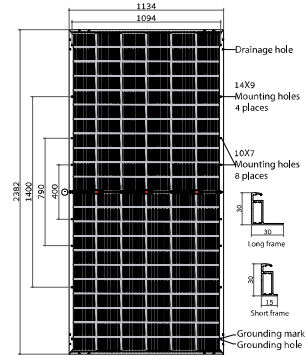
# TADIRAN NEW ENERGY

## DMxxxG12RT-B66HSW



### Module Specification

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Cell Type       | N type Mono-crystalline, 132 (6×22)                                                                          |
| Dimensions (mm) | 2382x1134x30                                                                                                 |
| Weight (kg)     | 32.3                                                                                                         |
| Front Cover     | 2 mm heat strengthened glass                                                                                 |
| Rear Cover      | 2 mm heat strengthened glass                                                                                 |
| Junction Box    | 3 Diodes, IP68 according to IEC 62790                                                                        |
| Cables          | 4mm <sup>2</sup> /Portrait: 350mm (+)/250mm(-)<br>Landscape: 1300mm(+)/1300mm(-)<br>Length can be customized |
| Connector Type  | PV-ZH202B or MC4-EVO 2A (1500V)                                                                              |



Back side (mm)



### Electrical Specifications<sup>1</sup>

| Module Type                   | DM610G12RT-B66HSW |                   | DM615G12RT-B66HSW |       | DM620G12RT-B66HSW |       | DM625G12RT-B66HSW |       | DM630G12RT-B66HSW |       | DM635G12RT-B66HSW |       |
|-------------------------------|-------------------|-------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
| Testing Condition             | STC <sup>2</sup>  | NMOT <sup>3</sup> | STC               | NMOT  | STC               | NMOT  | STC               | NMOT  | STC               | NMOT  | STC               | NMOT  |
| Maximum Power (Pmax/W)        | 610               | 465               | 615               | 469   | 620               | 472   | 625               | 476   | 630               | 480   | 635               | 484   |
| Maximum Power Current (Imp/A) | 15.09             | 12.26             | 15.15             | 12.31 | 15.20             | 12.35 | 15.25             | 12.39 | 15.30             | 12.43 | 15.35             | 12.47 |
| Maximum Power Voltage (Vmp/V) | 40.45             | 37.95             | 40.65             | 38.14 | 40.85             | 38.33 | 41.05             | 38.52 | 41.25             | 38.70 | 41.45             | 38.89 |
| Short-circuit Current (Isc/A) | 15.99             | 12.89             | 16.05             | 12.94 | 16.11             | 12.99 | 16.17             | 13.03 | 16.23             | 13.08 | 16.29             | 13.13 |
| Open-circuit Voltage (Voc/V)  | 48.69             | 46.86             | 48.89             | 47.05 | 49.09             | 47.25 | 49.29             | 47.44 | 49.49             | 47.63 | 49.69             | 47.82 |
| Module Efficiency STC (%)     | 22.6%             |                   | 22.8%             |       | 23.0%             |       | 23.1%             |       | 23.3%             |       | 23.5%             |       |

<sup>1</sup> Measurements according to IEC 60904-3, Measurement tolerance: ISC±4%, VOC: ± 3 %, Test uncertainty for Pmax:±3%, Bifaciality: 80 % ± 5 %

<sup>2</sup> STC (Standard Test Condition): Radiation 1000 W/m<sup>2</sup>, Module temperature 25°C, AM = 1.5

<sup>3</sup> NMOT: Radiation 800 W/m<sup>2</sup>, ambient temperature 20°C, AM = 1.5, Wind Speed 1 m/s



### BIFACIAL OUTPUT-REARSIDE POWER GAIN

|      |            |     |     |     |     |     |     |
|------|------------|-----|-----|-----|-----|-----|-----|
| 10 % | Pmax (STC) | 671 | 677 | 682 | 688 | 693 | 699 |
| 20 % | Pmax (STC) | 732 | 738 | 744 | 750 | 756 | 762 |
| 30 % | Pmax (STC) | 793 | 800 | 806 | 813 | 819 | 826 |



### Temperature Characteristics

|                                             |        |
|---------------------------------------------|--------|
| Nominal Module Operating Temperature (NMOT) | 42±2°C |
| Temperature Coefficient of Pmax (%/°C)      | -0.29  |
| Temperature Coefficient of Voc (%/°C)       | -0.25  |
| Temperature Coefficient of Isc (%/°C)       | +0.048 |



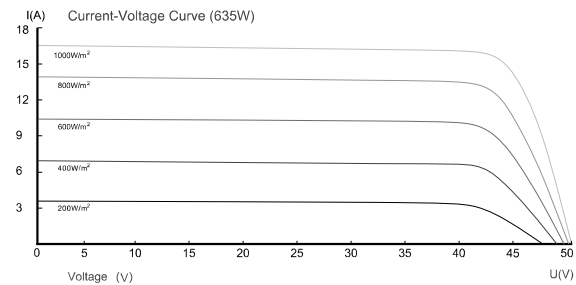
### Packaging

|                       |                |
|-----------------------|----------------|
| Container             | 40HQ           |
| Pallet Dimensions(mm) | 2396x1140x1250 |
| Pieces per Pallet     | 36             |
| Pieces per Container  | 720            |



### Operating conditions

|                                   |                       |
|-----------------------------------|-----------------------|
| Operating Temperature (°C)        | -40 to +85            |
| Maximum System Voltage(V)         | 1500 V DC (IEC)       |
| Overcurrent protection rating (A) | 30                    |
| Power Output Tolerance (%)        | 0~3%                  |
| Protection class                  | II                    |
| Max. Test Load, Push/Pull (Pa)    | Snow 5400 / Wind 2400 |
| Max. Design Load, Push/Pull (Pa)  | 3600 / 1600           |



New Life. New Energy.