



OSDA-EN-2025V01



GLOBAL SMART ENERGY
SOLUTION PROVIDER

610-640W

N-Type Monofacial / Bifacial

ODA-132MHRz/DRz



Excellent temperature coefficient (Pmax): -0.29°/C



Excellent low-light performance: extended power generation up to 1H or so in the morning and evening



Has lower LID/LeTID attenuation



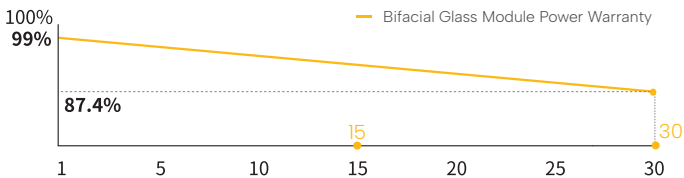
With a bifacial rate of 80% ± 10%, the bifacial power gain significantly reduces the LCOE as the backside is exposed to more light.



Guarantee
Bifacial



Warranty
Bifacial



COMPREHENSIVE PRODUCT AND SYSTEM CERTIFICATION



SPECIFICATION (STC)

Irradiance at 1000 W/m², Cell Temp 25°C, Air Mass AM1.5

MODEL TYPE

ODA620-33V-MHRz

ODA625-33V-MHRz

ODA630-33V-MHRz

ODA635-33V-MHRz

ODA640-33V-MHRz

ODA620-33V-MHDRz

ODA625-33V-MHDRz

ODA630-33V-MHDRz

ODA635-33V-MHDRz

Rated Peak Power-Pmax(Wp)

620.00

625.00

630.00

635.00

640.00

Maximum Power Voltage-Vmp(V)

40.74

40.88

41.02

41.16

41.30

Maximum Power Current-Imp(A)

15.22

15.29

15.36

15.43

15.50

Open Circuit Voltage-Voc(V)

49.08±3%

49.28±3%

49.48±3%

49.68±3%

49.88±3%

Short Circuit Current-Isc(A)

16.08±3%

16.14±3%

16.20±3%

16.26±3%

16.32±3%

Module Efficiency(%)

23.00

23.10

23.30

23.50

23.70

ELECTRICAL DATA(NMOT)

Irradiance at 800 W/m², Ambient Temp 20°C, Wind Speed 1 m/s.

Rated Peak Power-Pmax(Wp)

469.00

473.00

477.00

481.00

484.00

Maximum Power Voltage-Vmp(V)

38.54

38.67

38.80

38.94

39.07

Maximum Power Current-Imp(A)

12.17

12.23

12.29

12.35

12.39

Open Circuit Voltage-Voc(V)

46.43±3%

46.62±3%

46.81±3%

47.00±3%

47.19±3%

Short Circuit Current-Isc(A)

12.84±3%

12.90±3%

12.97±3%

13.03±3%

13.07±3%

DOUBLE-SIDED POWER GENERATION PARAMETERS(REAR GAIN)

5%

Maximum Power(Pmax)

651.00

656.25

661.50

666.75

672.00

Module Efficiency(%)

24.15

24.26

24.47

24.68

24.89

15%

Maximum Power(Pmax)

713.00

718.75

724.50

730.25

736.00

Module Efficiency(%)

26.45

26.57

26.80

27.03

27.26

25%

Maximum Power(Pmax)

775.00

781.25

787.50

793.75

800.00

Module Efficiency(%)

28.75

28.88

29.13

29.38

29.63

MECHANICAL CHARACTERISRTICS

Cell Type (mm)

182*105 N-Type Mono

No. Of Cells

132(12*11)

Module Dimensions(mm)

2382*1134*30

Bifacial/Monofacial Weight (kg)

32.40 kg /28.2kg

Bifacial Glass Front Glass(mm)

2.0mm AR Coating Tempered Glass

Bifacial Glass Back Glass(mm)

2.0mm Glazed Glass

Frame

Anodized Aluminium Alloy(Silver)

Junction Box

IP68,1500VDC, 3 Schottky Bypass Diodes

Cables

4.0mm², Positive(+)350mm, Negative(-)350mm, Or Customized Length

Connector

IP68

Snow Load/Wind Load

5400Pa/2400Pa

Class Of Safety Protection

Class II

IEC Component Fire Rating

Class C

OPERATING PARAMETERS

Maximum System Voltage

1500V

Operational Temp

-40~+85 °C

Max Series Fuse Rating

30A /25A

Nominal Module Operating Temp (NMOT)

45±2°C

TEMP COEFFICIENT

Temp Coefficient Of Pmax

-0.290%/°C

Temp Coefficient Of Voc

-0.250%/°C

Temp Coefficient Of Isc

+0.045%/°C

PACKING STANDARD 40ft (HQ)

Number Of Modules Per Pallet

37

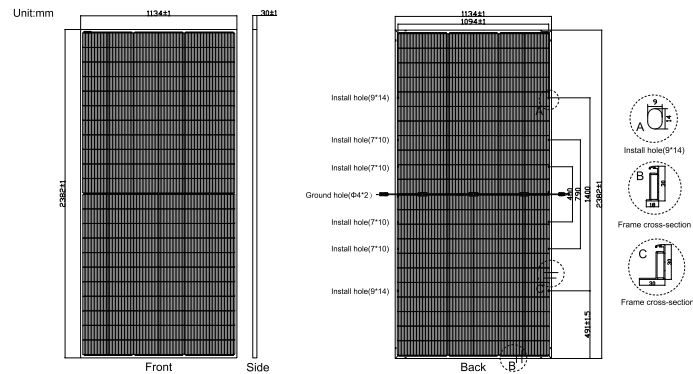
Number Of Pallets Per Container

20

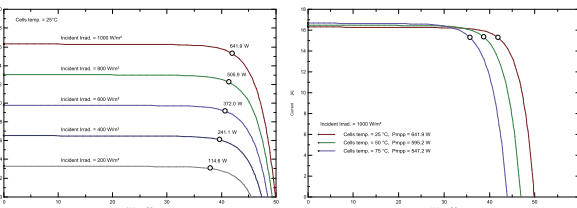
Number Of Modules Per Container

740

ASSEMBLY DRAWING



IV CURVE (640W)



Specifications included in this datasheet are subject to change without notice.