

OS N 25

N-type Bifacial High Efficiency Module

625~635Wp

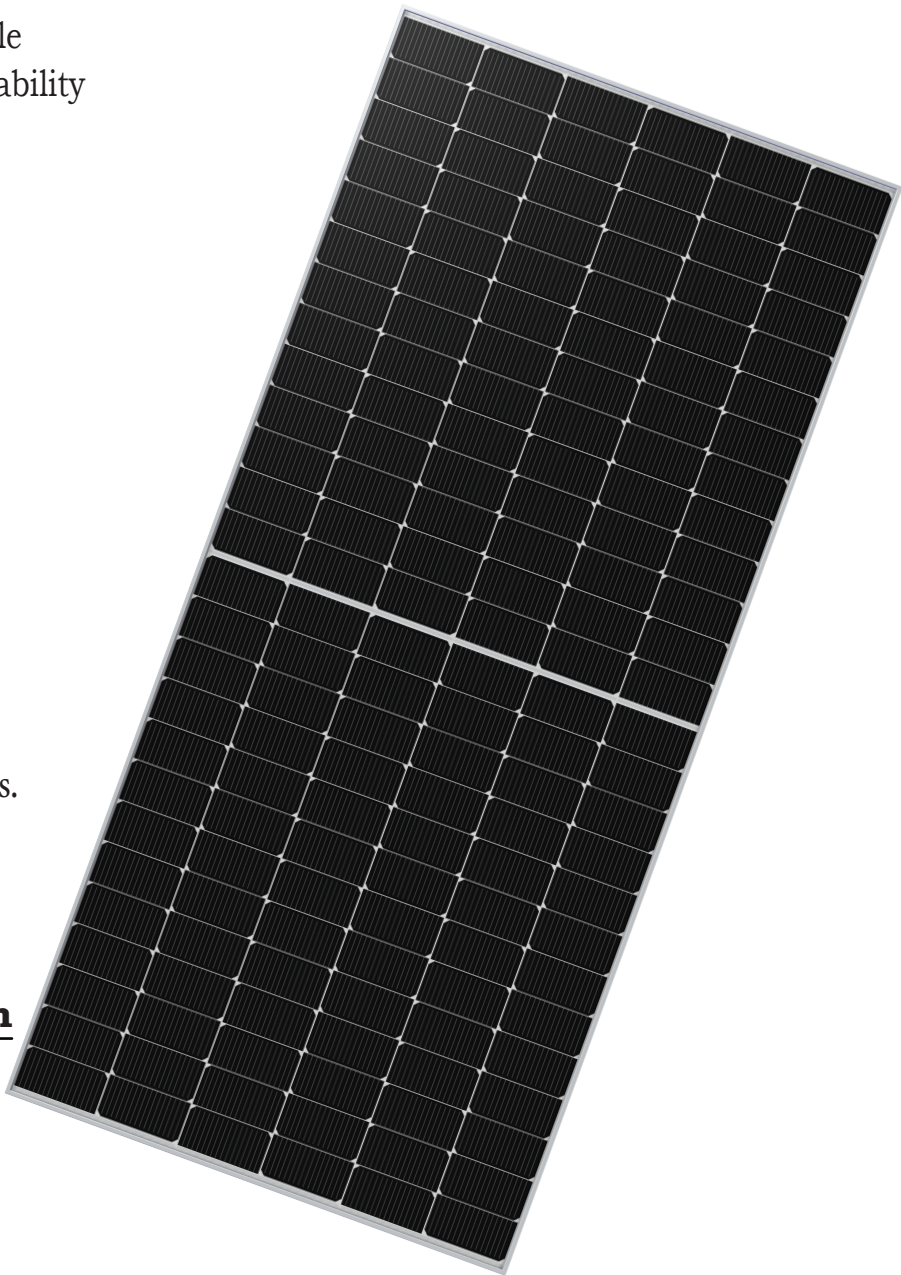
RN1-24S630B78N16B

- 100 % EL Test to Ensure Error Free Module
- High Conversion Efficiency With High Reliability
- Uniform Electrical Performance
- Excellent Power Generation
- Excellent Anti-PID Performance
- Low Hot Spot Effect
- High Salt Mist Resistance

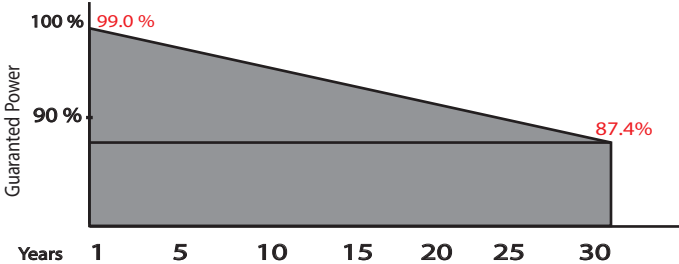
 12 Years Product Warranty

 30 Years Linear Power Warranty

 1% Degradation for 1st year
 0.40% Annual Degradation Over 30 years.



Linear power performance graph



Complete System and Product Certifications

Made in Bangladesh



IEC 61215, IEC 61730, IEC 61701, IEC 62804, UL 61730
 ISO9001:2015: Quality Management System
 ISO14001:2015: Environmental Management System
 ISO45001:2018: Occupational Health and Safety

Mechanical Characteristics

Cell Type	Mono-crystalline N-type, 182 x 182 mm
No. of Cells	156 (6*26)
Junction Box	IP68, 3 Diodes
Cable Cross-section size	4mm ²
Cable Length	± 300mm(Cable length can be customized)
Front Glass	2.0mm(High transmission low iron tempered glass)
Back Glass	2.0mm(Back grid glass)
Encapsulant Material	POE/EVA
Protection Class	Class II
Fire Performance	Class C
Frame	Anodized Aluminium Alloy
Weight	34 kg
Module Dimensions	2465 x 1134 x 30mm

Packaging Configuration

Pallet Dimensions (L*W*H)	2480 x 1114 x 1250 mm
Packaging Configuration	36pcs/pallet,288pcs/20' & 576pcs/40'HQ Container

Specifications (STC)

Maximum Power - Pmax [Wp]	625	630	635
Maximum Power Voltage - Vmp [V]	46.83	47.03	47.23
Maximum Power Current - Imp [A]	13.35	13.40	13.45
Open-circuit Voltage - Voc [V]	56.92	57.12	57.32
Short-circuit Current - Isc [A]	13.86	13.91	13.96
Module Efficiency STC (%)	22.54	22.72	22.90
Power Tolerance	±3%		
Temperature Coefficient of Pmax	-0.29%/°C		
Temperature Coefficient of Voc	-0.25%/°C		
Temperature Coefficient of Isc	0.045%/°C		

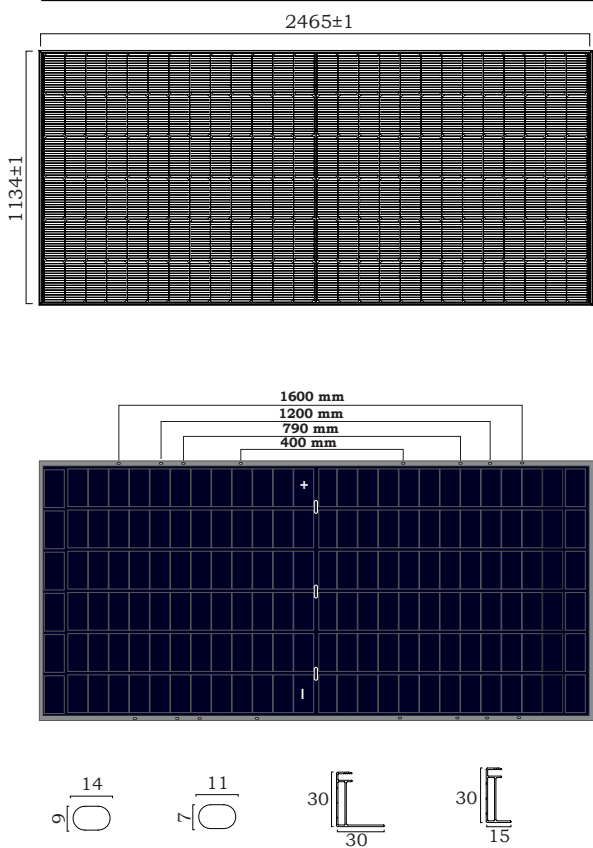
Specifications (NOCT)

Maximum Power - Pmax [Wp]	470	474	478
Maximum Power Voltage - Vmp [V]	43.84	44.02	44.21
Maximum Power Current - Imp [A]	10.73	10.77	10.81
Open-circuit Voltage - Voc [V]	53.28	53.46	53.65
Short-circuit Current - Isc [A]	11.13	11.17	11.21

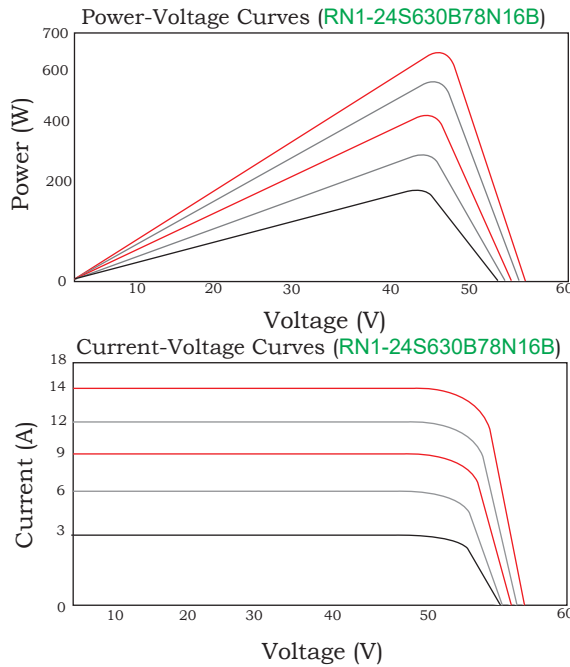
Application Conditions

Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	35 A
Operating Temperature	- 40°C~+85°C
Voc and Isc Tolerance	±3%
Front Side Maximum Static Load	5400 Pa
Back Side Maximum Static Load	2400 Pa
NOCT	45±2°C
Bifaciality	80±10%

Engineering Drawings



Electrical Performance



STC:  **Irradiance 1000W/m²**
 **Cell Temperature 25°C**
 **AM=1.5**

NOCT:  **Irradiance 800W/m²**
 **Ambient Temperature 20°C**
 **AM=1.5**
 **Wind Speed 1m/s**

