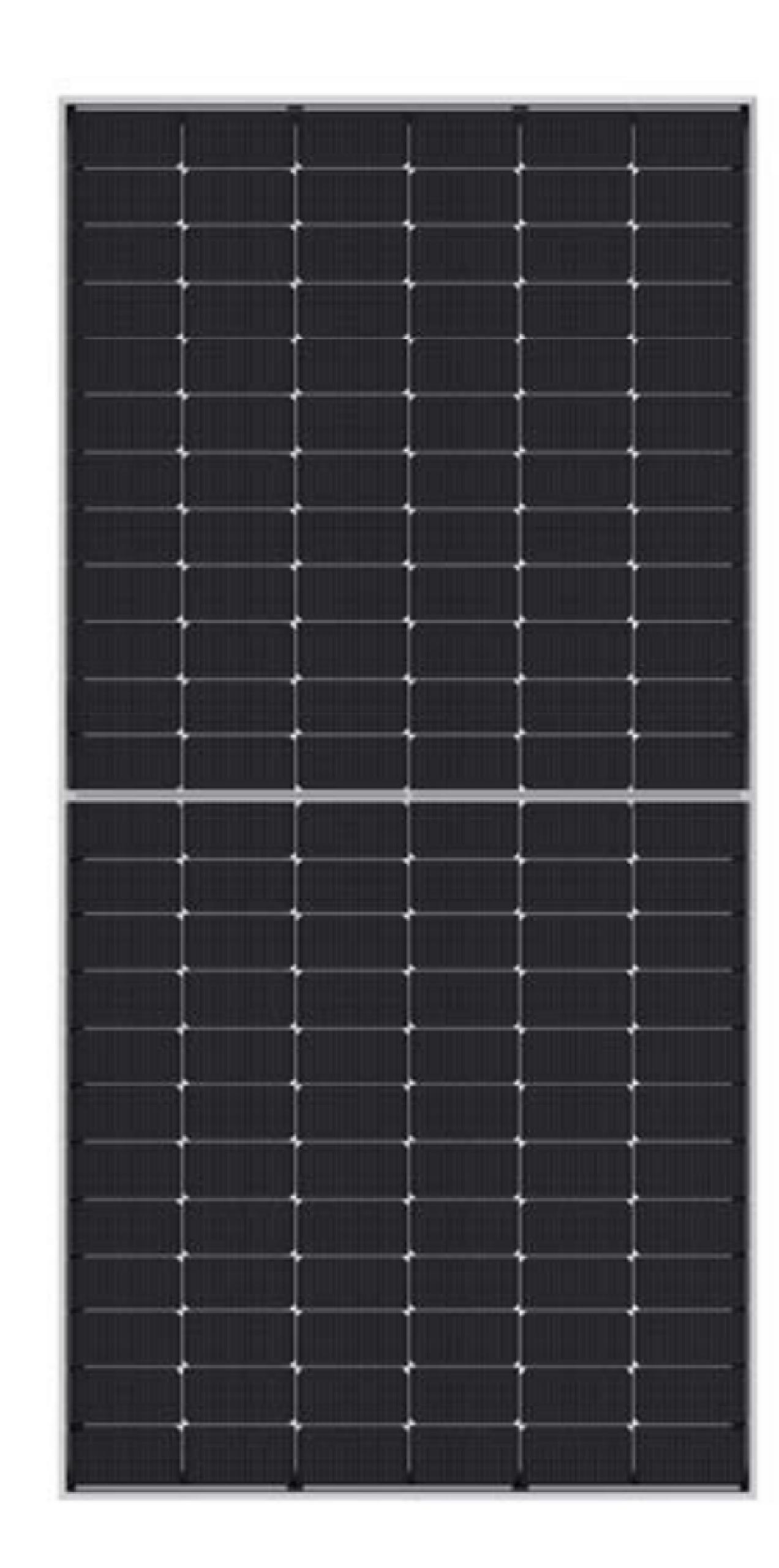


## SW585N-144

### N Type Bifacial Module 144 Cells 565W-585W



## Mono Solar Panel Features



Widely using of the most popular and mature type of modules for solar system



High power output and highest conversion efficiency of 22.60%

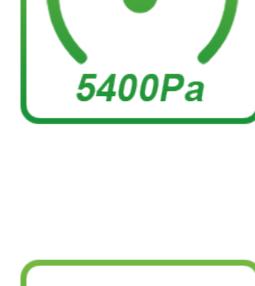


Anti-reflective and anti-soiling surface reduces power loss from dirt and dust



environments

Outstanding Performance in low-light irradiance



Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and Snow loads (5400Pa)



Positive power tolerance: 0~+5W







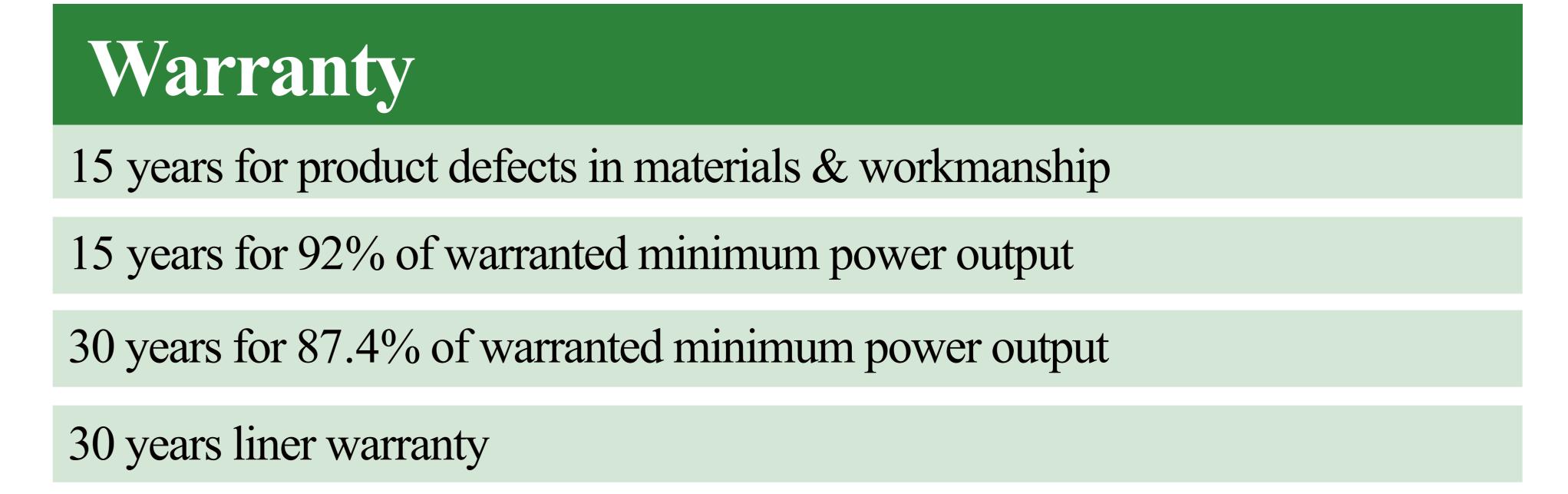


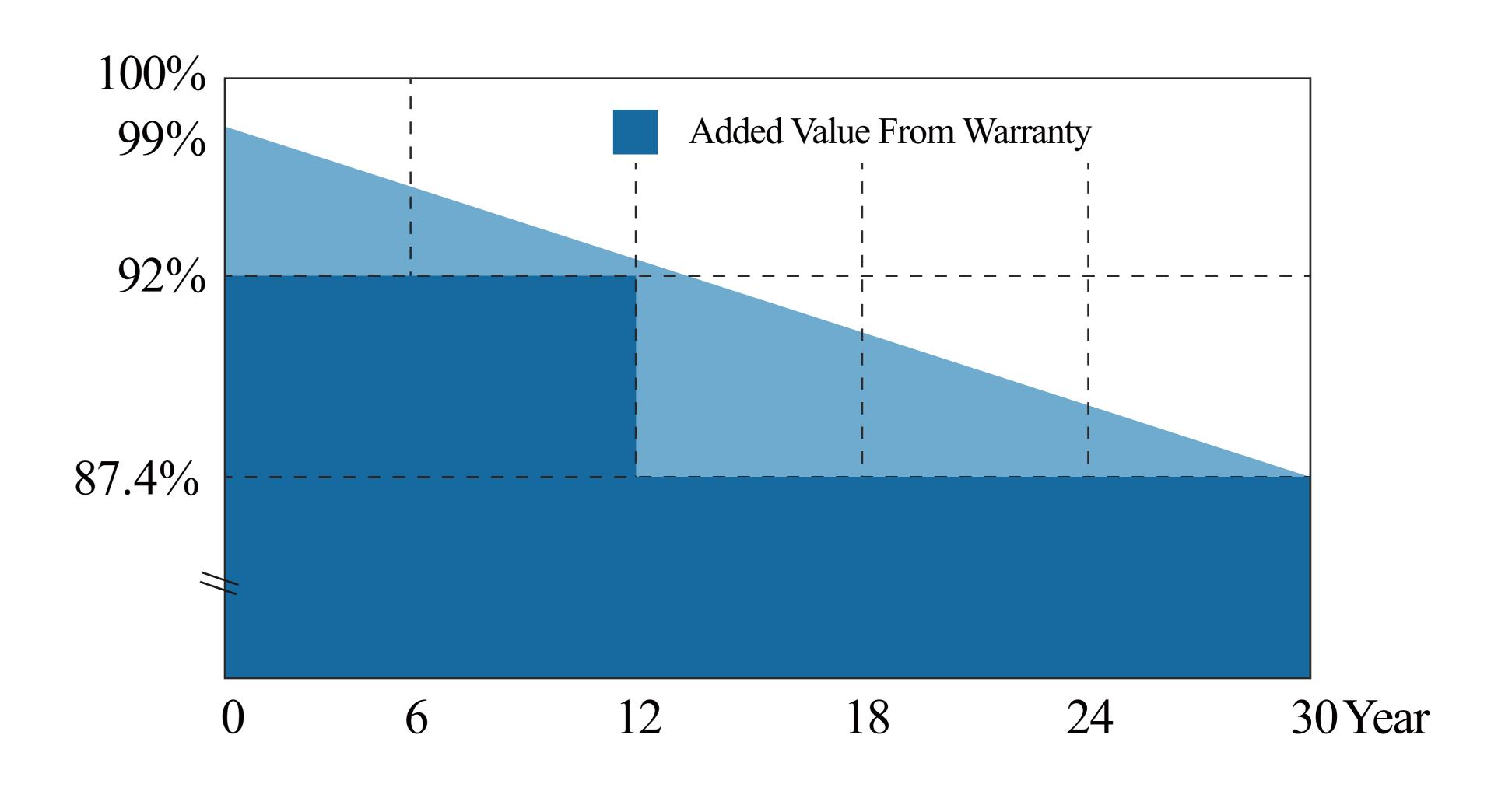












## Reliable Quality Positive power tolerance: 0~+5W

100% EL Double-inspection ensures modules are defects free

Modules Binned by Current to improve system performance

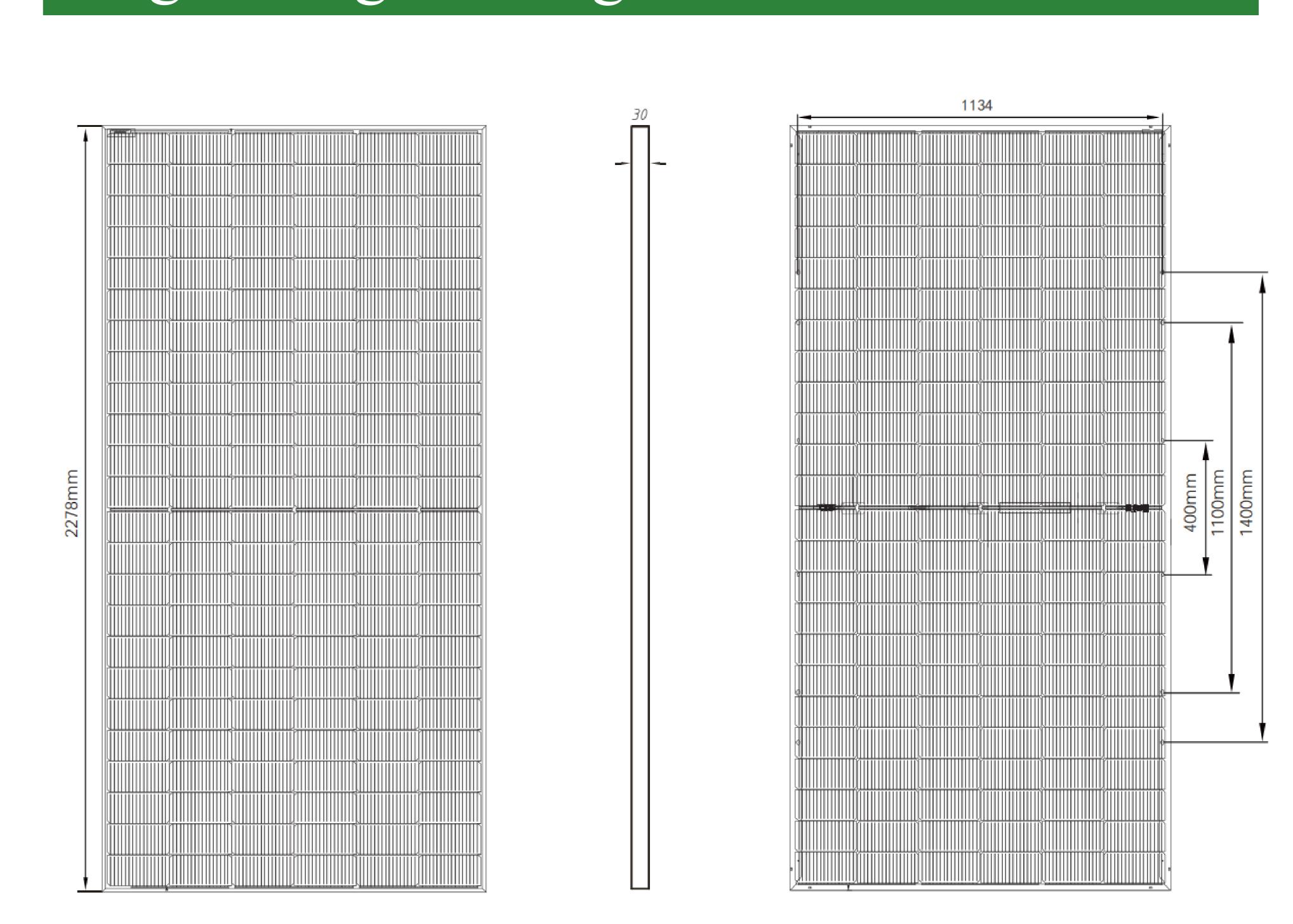
Potential induced Degradation (PID) Resistant

# SOLARAY

#### Mechanical parameters Cell(mm) N Type Mono 182\*182mm Weight(kg) 32kg Glass Thickness 2.0mm Dimensions (L\*W\*H)(mm) 2278\*1134\*35mm Cable Cross Section Size (mm²) Cable Cross Section Length (mm) 300 No. of Cells and Connections 144(6\*24) IP68 Junction Box MC4 Compatiple Connector

#### Working Conditions Maximum System Voltage DC 1000V/1500V(IEC) -40 °C ~ +85 °C Operating Temperature Maximum Series Fuse 30A Maximum Static Load, Front (e.g., snow and wind) 5400Pa (112 lb/ft²) 2400Pa (50 lb/ft<sup>2</sup>) Maximum Static Load, Back (e.g., wind) 45±2°C NOCT $0 \sim +5 \text{W}$ Positive power tolerance Application Class Class A

### Engineering Drawings



Modules Per 40HO  620Pcs			
Modules Per 40HO 620Pcs	Modules Per Pallet	31Pcs	
1V10du1CS 1 C1 +011Q	Modules Per 40HQ	620Pcs	

#### Electrical Parameters Module $SW565N-144 \sim SW585N-144$ Encapsulation Glass/Eva/Cell/Eva/Glass Maximum Power Pmax (W) 565 580 585 570 575 42.30 42.10 Maximum Power Voltage (Vmp/V) 42.80 42.40 42.60 13.42 Maximum Power Current (Imp/A) 13.48 13.62 13.67 13.56 50.90 51.10 Open Circuit Voltage (Voc/V) 51.30 51.50 51.70 14.19 Short Circuit Current (Isc/A) 14.25 14.31 14.43 14.37 21.90 22.10 Module Efficiency (%) 22.30 22.50 22.60 $0 \sim +5W$ Power Tolerance (W) +0.046%/°C Temperature Coefficient of Isc (αIsc) -0.25%/°C Temperature Coefficient of Voc (βVoc) -0.30%/°C Temperature Coefficient of Pmax (yPmp) Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5 STC

## I-V Curve

