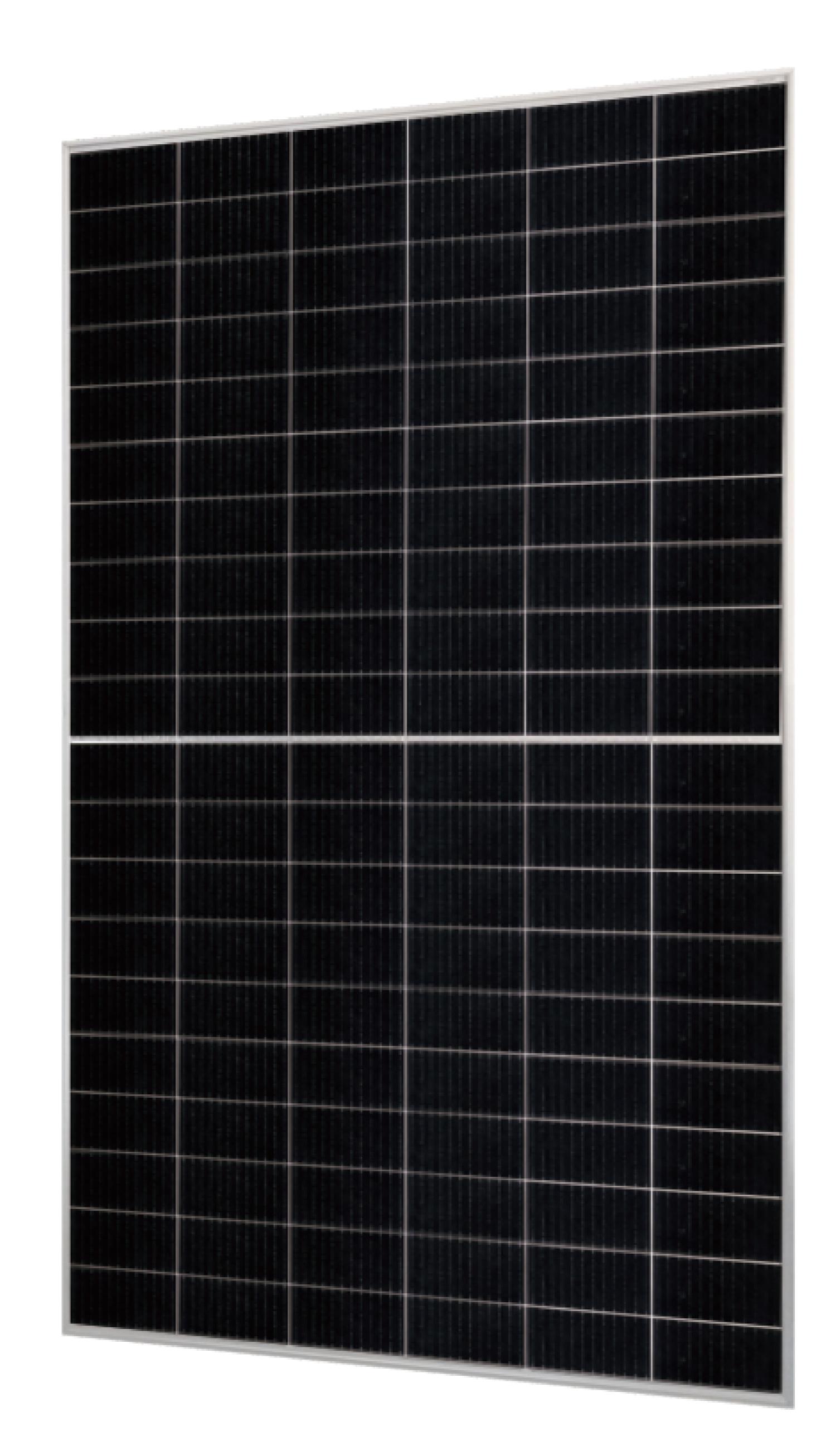


SW460IVI-120

Half Cell Monocrystalline 120 Cells 450W-465W



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 21.25%

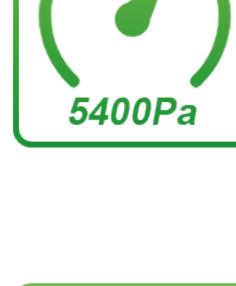


Anti-reflective and anti-soiling surface reduces power loss from dirt and dust

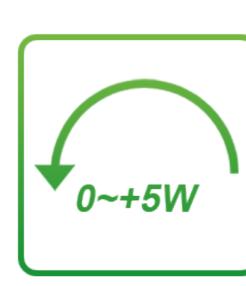


environments

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









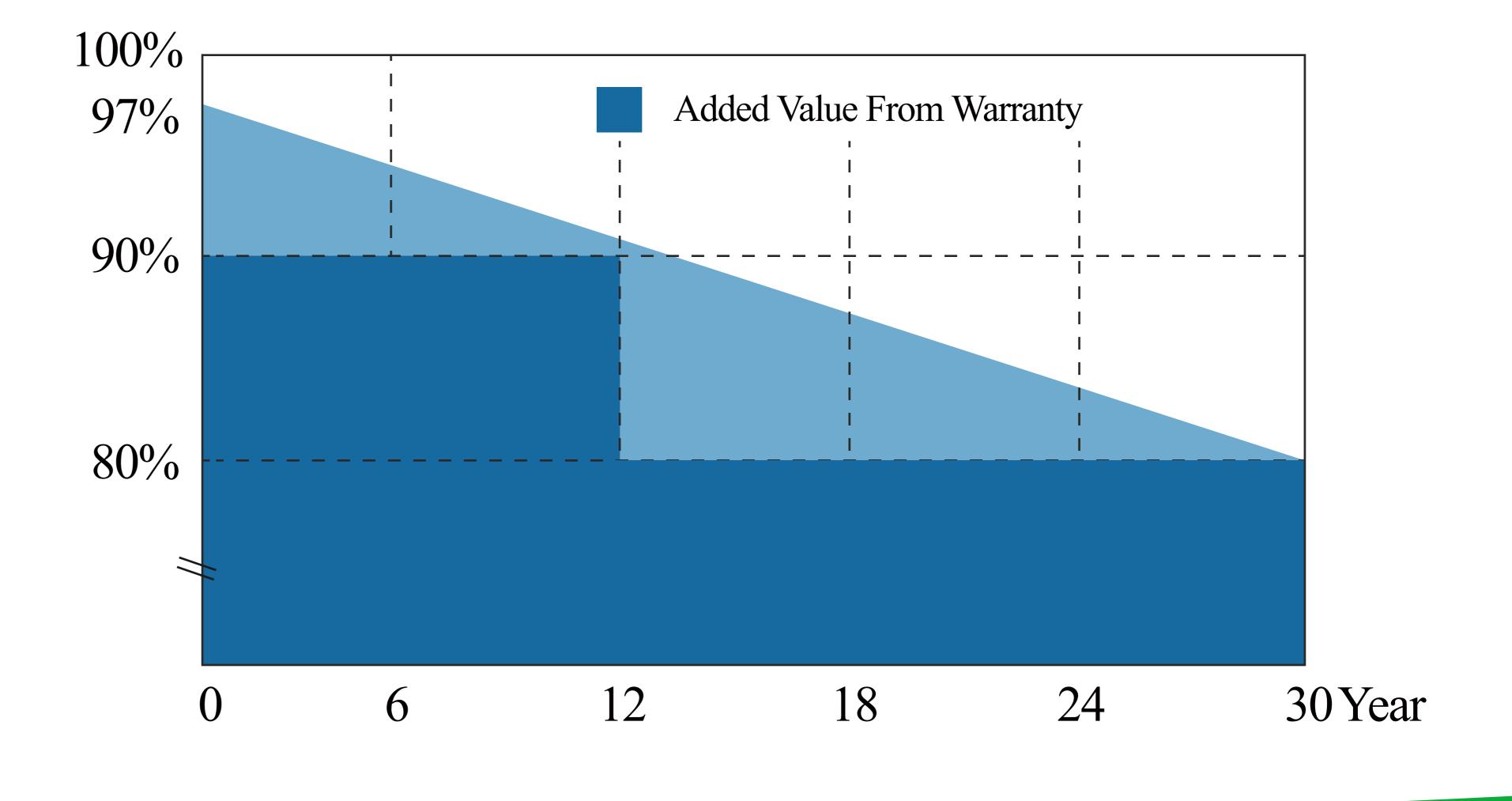








Warranty
12 years for product defects in materials & workmanship
12 years for 90% of warranted minimum power output
30 years for 80% of warranted minimum power output
30 years liner warranty



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

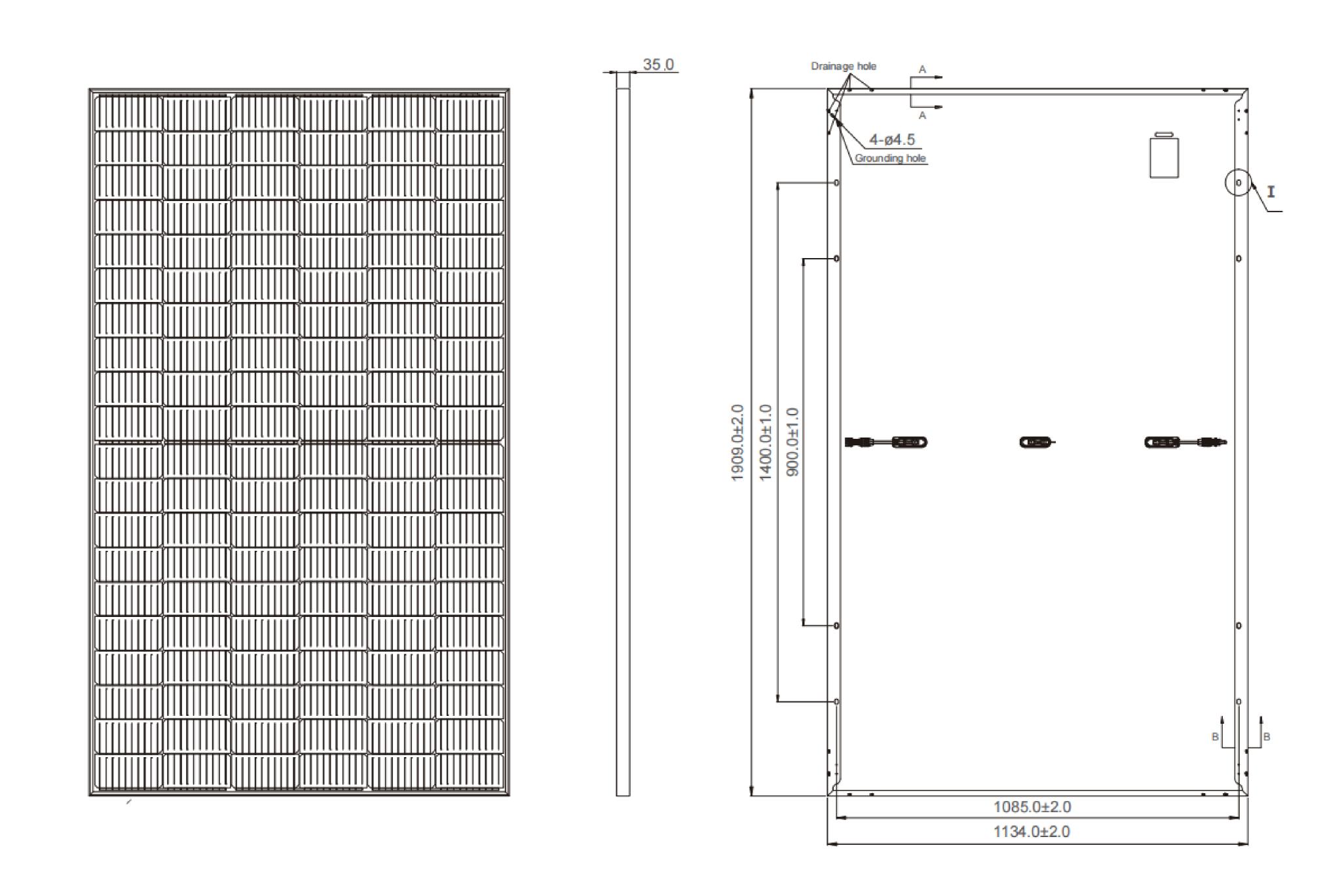
SOLARAY

YOUR PROFESSIONAL PV SUPPLIER

Mechanical parameters Cell(mm) Mono 182*91mm Weight(kg) 24kg Glass Thickness 3.2mm Dimensions (L*W*H)(mm) 1909*1134*35mm Cable Cross Section Size (mm²) Cable Cross Section Length (mm) 300 No. of Cells and Connections 120(6*20) Junction Box IP68 MC4 Compatiple Connector

Working Conditions Maximum System Voltage DC1500V -40 °C ~ +85 °C Operating Temperature Maximum Series Fuse 25A Maximum Static Load, Front (e.g., snow and wind) 5400Pa (112 lb/ft²) 2400Pa (50 lb/ft²) 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



Packaging Configuration	
Moduels Per Pallet	31Pcs
Moduels Per 40HQ	744Pcs

Electrical Parameters Module $SW450M-120 \sim SW465M-120$ Encapsulation Class/Eva/Cell/Eva/Backsheet 450 465 Maximum Power Pmax (W) 460 455 Maximum Power Voltage (Vmp/V) 34.95 35.20 35.05 35.35 Maximum Power Current (Imp/A) 12.99 13.07 12.91 13.17 41.20 41.35 41.50 Open Circuit Voltage (Voc/V) 41.75 Short Circuit Current (Isc/A) 13.90 13.97 13.75 13.83 20.56 20.78 21.00 21.25 Module Efficiency (%) $0 \sim +5 W$ Power Tolerance (W) +0.048%/°C Temperature Coefficient of Isc (αIsc) -0.26% °C Temperature Coefficient of Voc (βVoc) Temperature Coefficient of Pmax (yPmp) -0.35%/°C STC Irradiance 1000W/m², Cell Temperature 25 °C, Spectrum AM 1.5

I-V Curve

