

SW560IVI-144

Monocrystalline 144 Cells 530W-560W



















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

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 21.67%



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

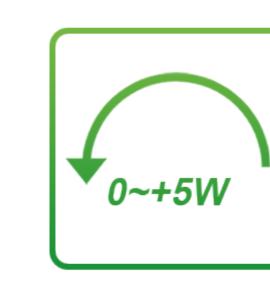


environments

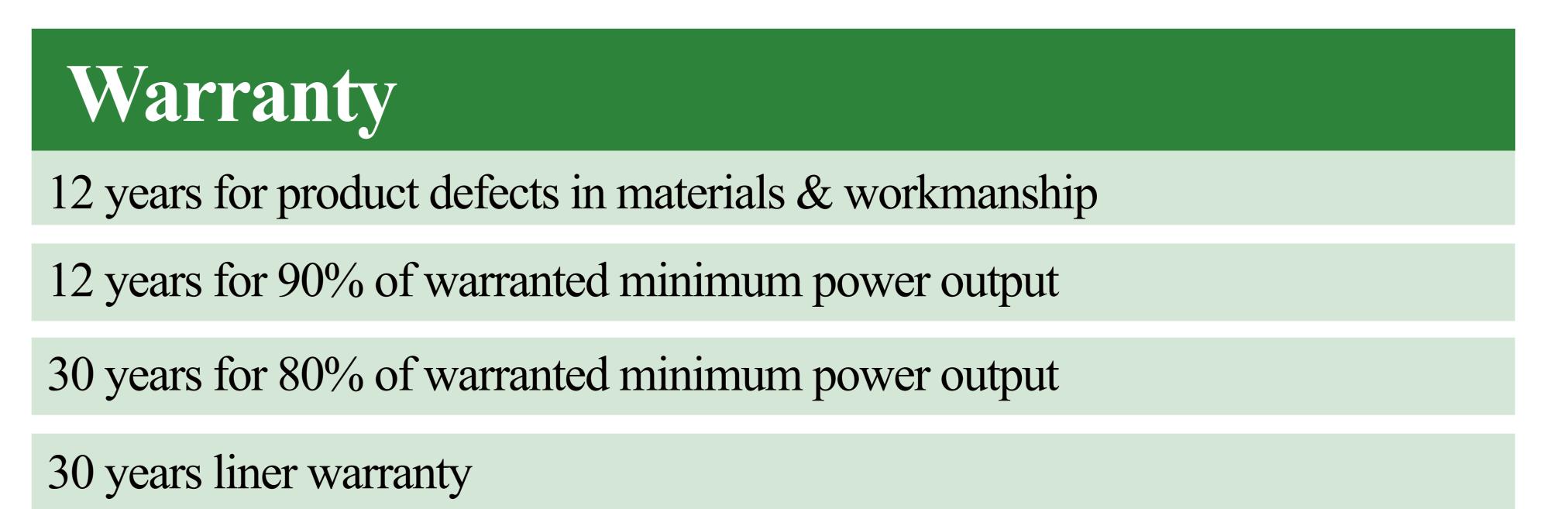
Outstanding Performance in low-light irradiance

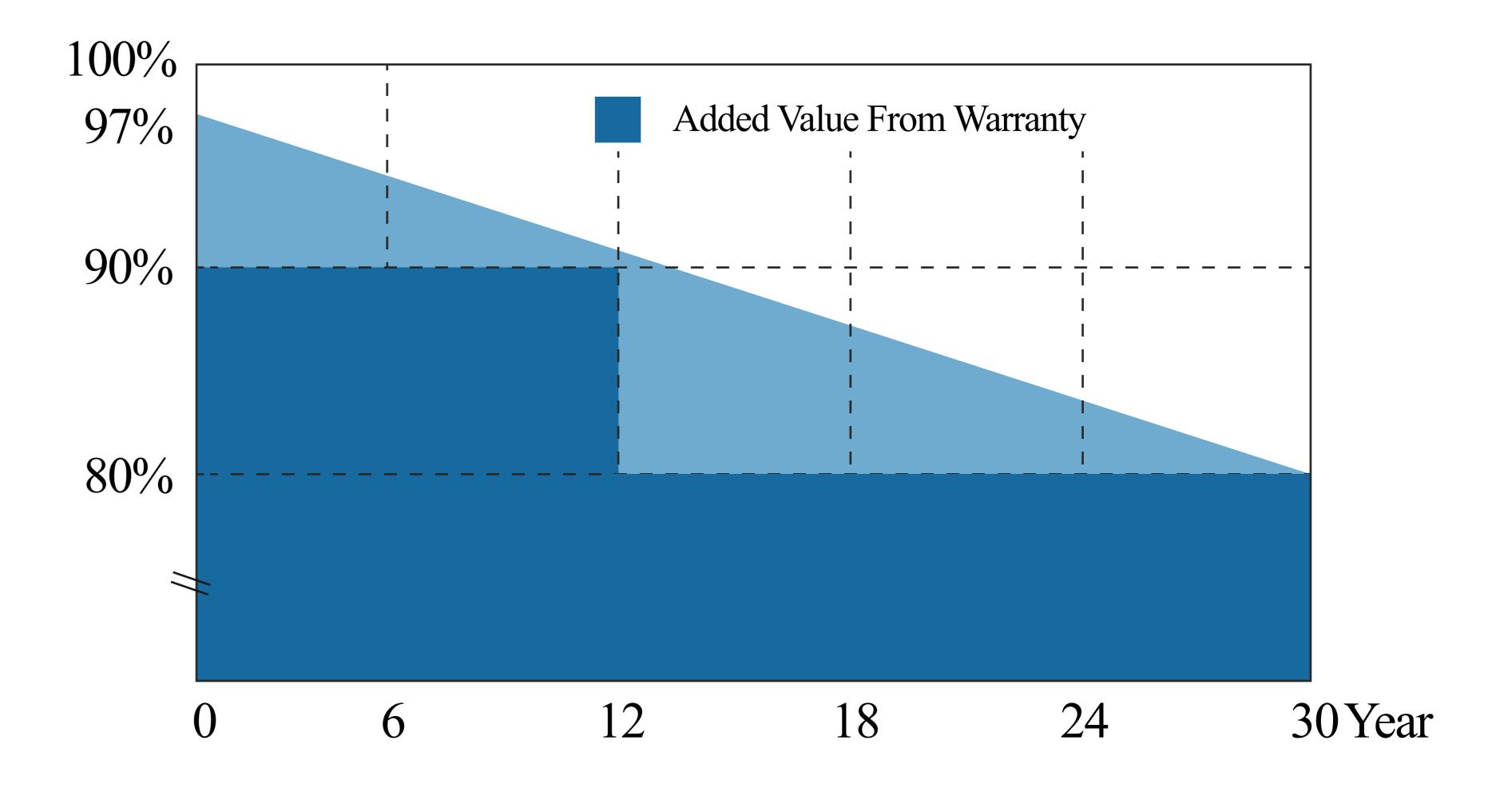


Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and Snow loads (5400Pa)



Positive power tolerance: 0~+5W







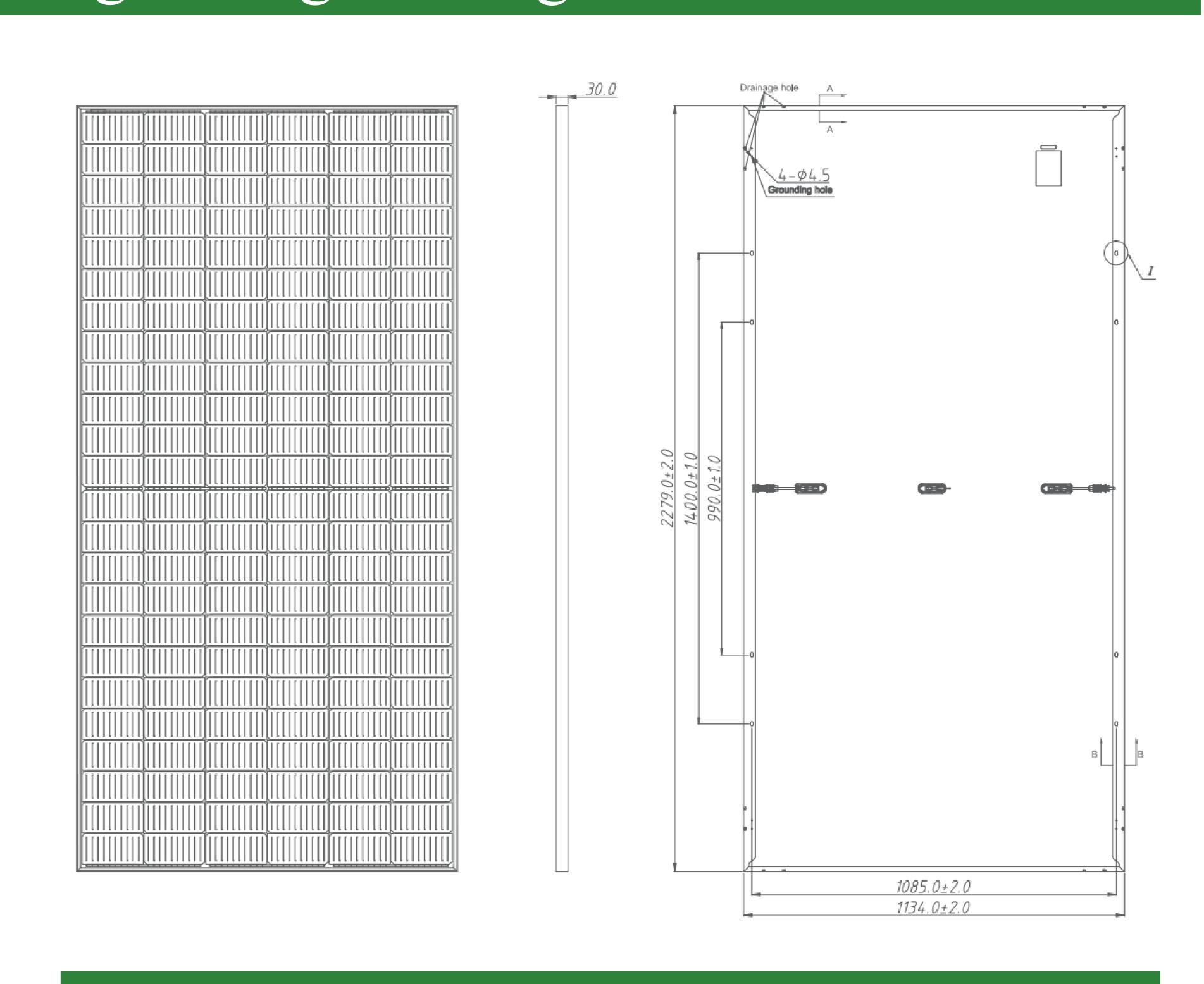
YOUR PROFESSIONAL PV SUPPLIER

Mechanical parameters Cell(mm) Mono 182*182mm Weight(kg) 29kg Glass Thickness 3.2mm AR Coating Tempered Glass 2279*1134*30mm Dimensions (L*W*H)(mm) 300 144(6*24)

Cable Cross Section Size (mm²) Cable Cross Section Length (mm) No. of Cells and Connections **IP68** Junction Box MC4 Compatiple Connector Wasting Condition

Working Conditions	
Maximum System Voltage	DC 1000V/1500V(IEC)
Operating Temperature	-40 °C ~ +85 °C
Maximum Series Fuse	25A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft²)
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft²)
NOCT	45±2°C
Positive power tolerance	$0 \sim +5 W$
Application Class	Class A

Engineering Drawings



Packaging Configuration

31Pcs Moduels Per Pallet Moduels Per 40HQ 720Pcs

Application Class	Class A					
Electrical Parameters						
Module	$SW530M-144 \sim SW560M-144$					
Encapsulation	Class/Eva/Cell/Eva/Backsheet					
Maximum Power Pmax (W)	530	535	540	550	560	
Maximum Power Voltage (Vmp/V)	41.70	41.80	41.90	42.10	42.30	
Maximum Power Current (Imp/A)	12.71	12.80	12.89	13.07	13.25	
Open Circuit Voltage (Voc/V)	49.50	49.60	49.70	49.90	51.20	
Short Circuit Current (Isc/A)	13.44	13.53	13.62	13.80	13.98	
Module Efficiency (%)	20.50	20.70	20.90	21.30	21.67	
Power Tolerance (W)	$0\sim +5 \mathrm{W}$					
Temperature Coefficient of Isc (αIsc)	+0.043%/°C					
Temperature Coefficient of Voc (βVoc)	-0.26%/°C					
Temperature Coefficient of Pmax (γPmp)	-0.36% /°C					
STC	Irradiance 1000W/ m², Cell Temperature 25 °C, Air Mass 1.5					
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I-V Curve

