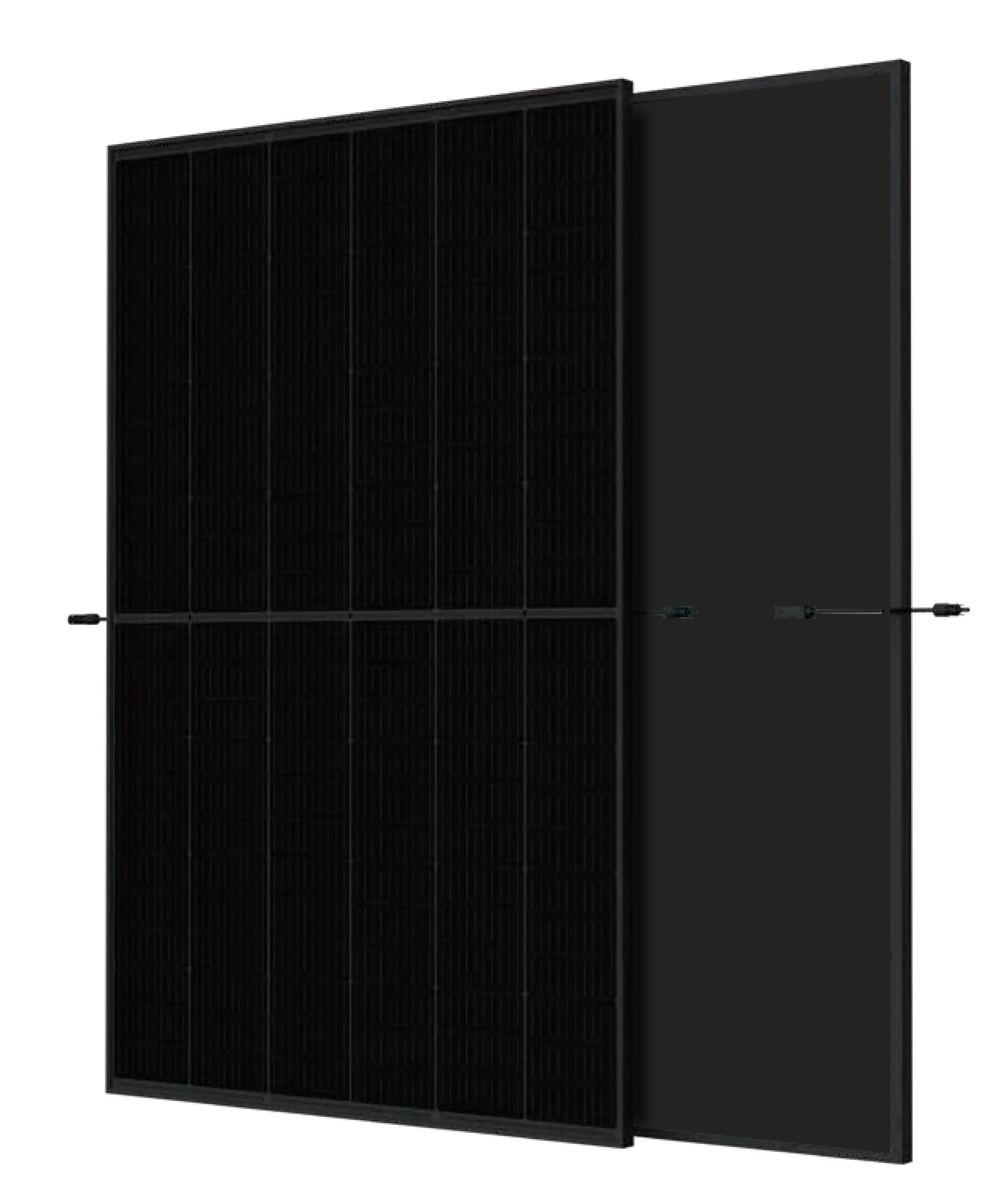


JA410-425IVI

Half Cell Monocrystalline 108 Cells 410W-425W



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 21.80%



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



environments

high wind loads (2400Pa) and Snow loads (5400Pa)

Excellent mechanical load resistance: Certified to withstand

Outstanding Performance in low-light irradiance

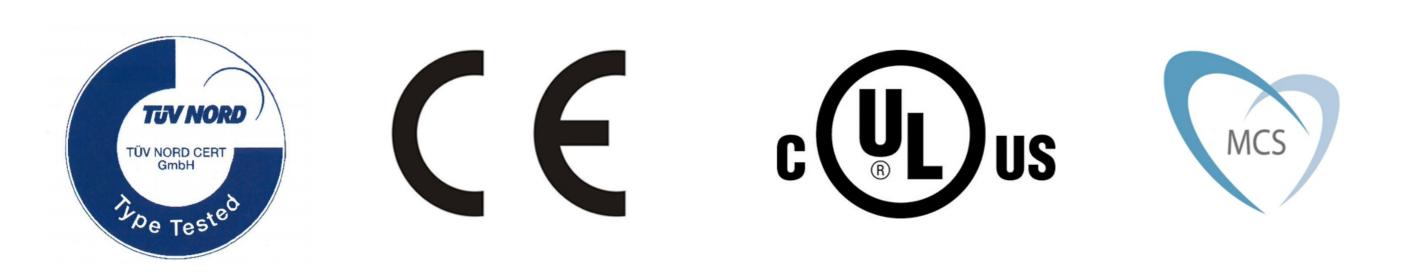


Positive power tolerance: 0~+5W













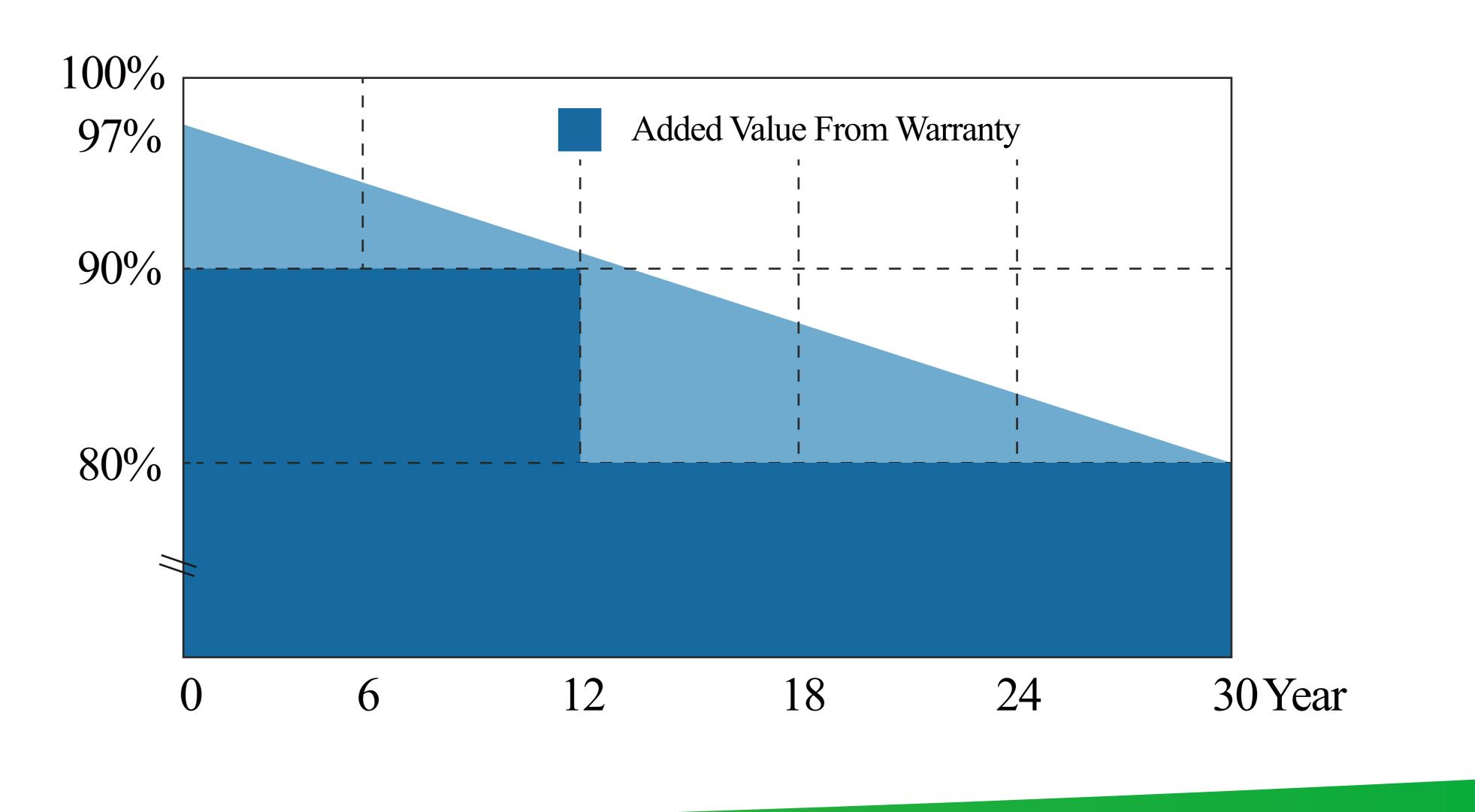






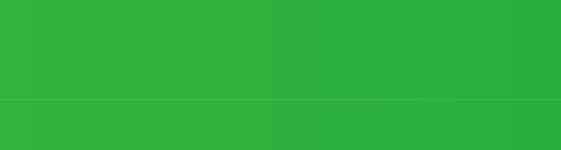
Reliable Quality
Positive power tolerance: 0~+5W
100% EL Double-inspection ensures modules are defects free
Modules Binned by Current to improve system performance
Potential induced Degradation (PID) Resistant

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



Guangdong JApower Energy Technology Co., Ltd.



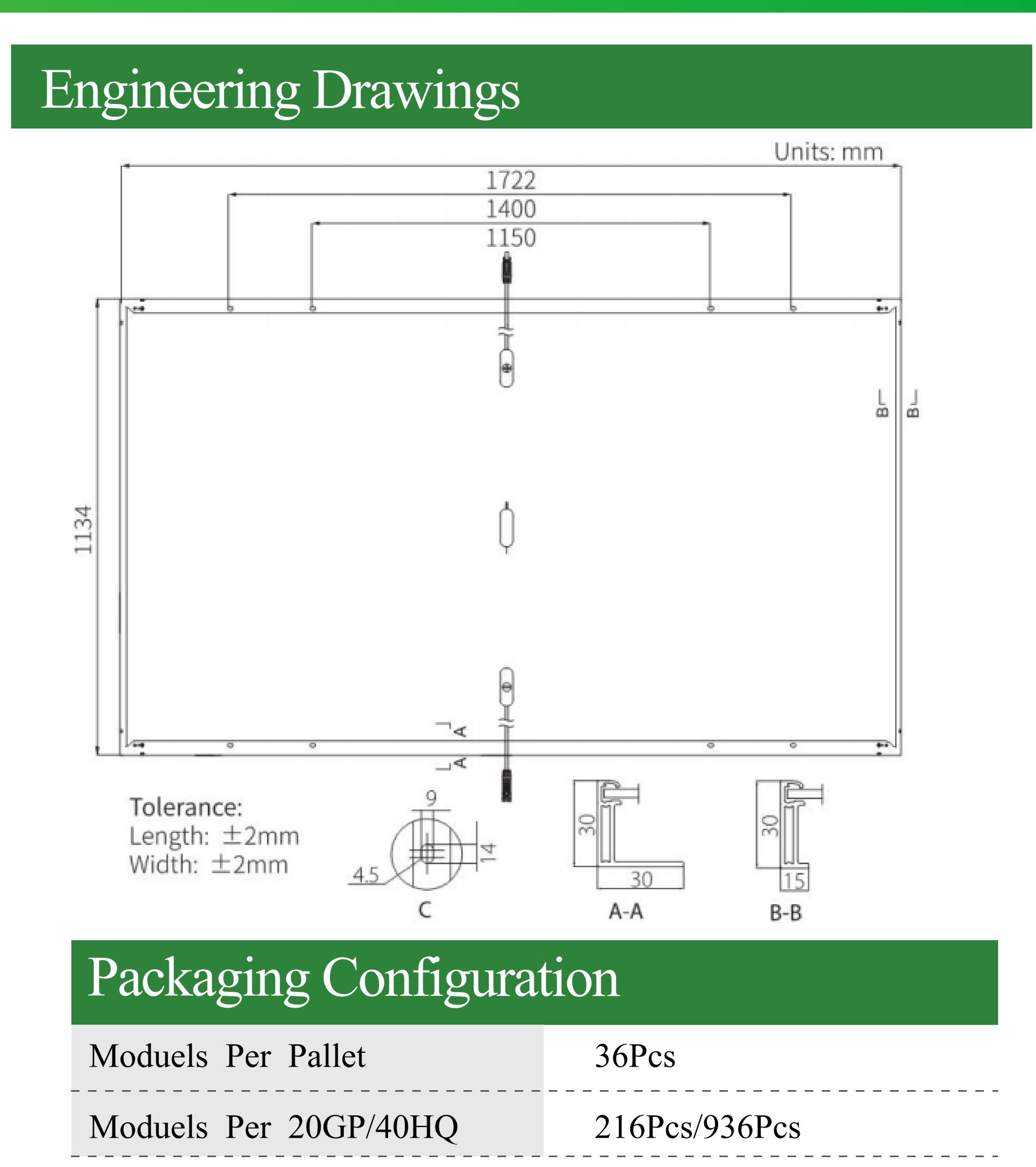


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Mechanical parameters	
Cell(mm)	Mono
Weight(kg)	21.8kg
Glass Thickness	3.2mm
Dimensions (L*W*H)(mm)	1722*1134*30mm
Cable Cross Section Size (mm²)	4
Cable Cross Section Length (mm)	300
No.of Cells and Connections	108(6*18)
Junction Box	IP68
Connector	MC4 Compatiple

Working Conditions	
Maximum System Voltage	DC 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



Electrical Parameters					
Module	$JA410M \sim JA425M$				
Encapsulation	Class/Eva/Cell/Eva/Backsheet				
Maximum Power Pmax (W)	410	415	420	425	
Maximum Power Voltage (Vmp/V)	32.36	32.56	32.76	32.96	
Maximum Power Current (Imp/A)	12.67	12.75	12.83	12.90	
Open Circuit Voltage (Voc/V)	38.63	38.83	39.03	39.23	
Short Circuit Current (Isc/A)	13.70	13.78	13.85	13.93	
Module Efficiency (%)	21.00	21.30	21.50	21.80	
Power Tolerance (W)	$0\sim +5\mathrm{W}$				
Temperature Coefficient of Isc (αIsc)	+0.050%/°C				
Temperature Coefficient of Voc (βVoc)	-0.23%/°C				
Temperature Coefficient of Pmax (γPmp)	-0.29%/°C				
STC	Irradiance 1000W/m², Cell Temperature 25°C, Spectrum AM 1.5				

I-V Curve

