

### Mechanical characteristics

Cell Type	Mono-crystalline 125×62.5mm
No. of Cells	36(4×9)
Dimensions	630×550×25mm
Weight	4.2kgs
Front Glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodized Aluminium Alloy
Junction box	IP65 Rated
Output cables	Without cables and connector
Quantity/cartons	5pcs

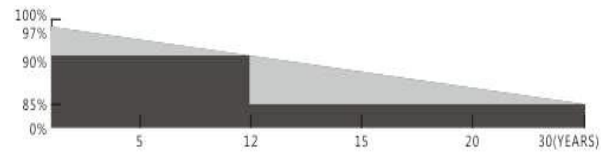
### Product Standard

Product Performance	IEC61215
Product Safety	IEC61730

### Specifications

Model Type	AU45-18-M
Peak Power(Pmax)	45.00
Maximum Power Voltage(Vmp)	18.25
Maximum Power Current(Imp)	2.47
Open Circuit Voltage(Voc)	22.36
Short Circuit Current(Isc)	2.60
Cells Efficiency(%)	16.14
Module Efficiency(%)	12.98
Maximum System Voltage(V)	1000
Maximum Series Fuse Rating(A)	10
Power Tolerance	0 ~ +3 %
Pmax Temperature Coefficients(W/°C)	-0.400 %
Voc Temperature Coefficients(V/°C)	-0.290 %
Isc Temperature Coefficients(A/°C)	+0.048 %
NOCT Nominal Operating Cell Temperature(°C)	45±2
Operating and Storage Temperature(°C)	-40 ~ +85
Standard Test Condition(STC)	1.000W/m²; AM 1.5; 25+/-2°C

### Linear Performance Warranty



**12 YEARS** Guarantee on product material and workmanship

**30 YEARS** Linear Power output warranty

### Key Features



**5 Busbar Cell:**  
5 Busbar Solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance making it perfect for rooftop installation and application



**High Efficiency**  
High Module conversion efficiency, through innovative manufacturing technology



**Low-Light Performance**  
Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments



**Serve Weather Resilience**  
Certified to withstand: wind load(2400Pa) and snow load (5400Pa)



**Durability against extreme environmental conditions**  
High salt mist and ammonia resistance certified by TUV



**0 to +5W Positive Tolerance**  
Detailed information in Electrical Specifications

### Certification



### Drawing Picture

