WWW.KINSE-SOLAR.COM

Kinse Solar

*KS***-108-M182*

P-Type

MONO-FACIAL MODULE

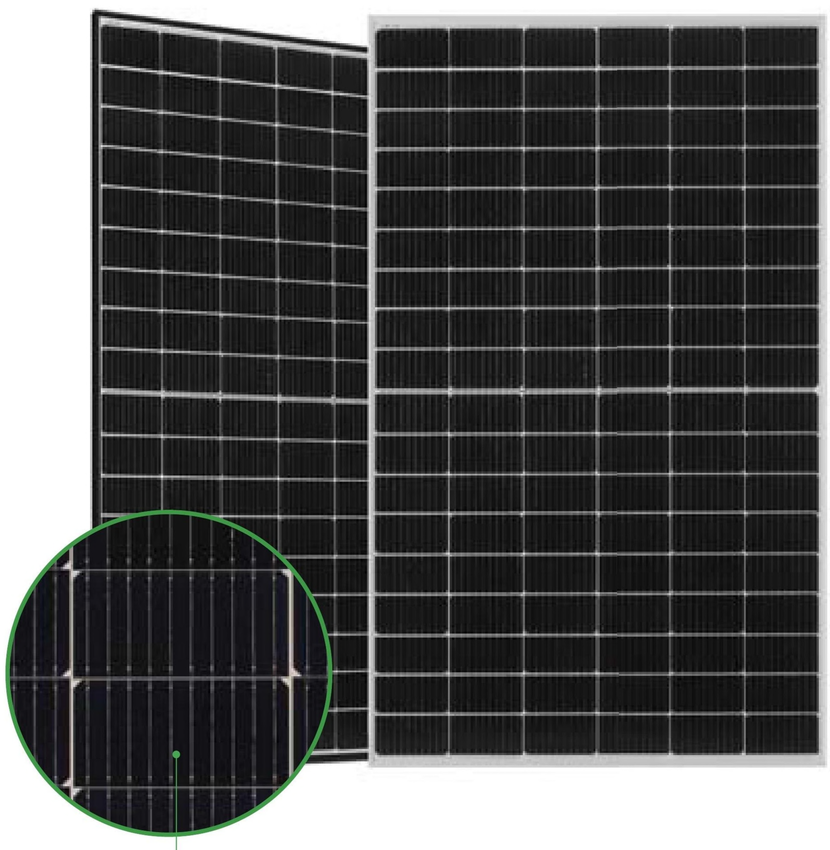
Positive power tolerance of 0~+5W

IEC 61215(2016), IEC 61730(2016)

ISO 9001:2015: Quality Management System

ISO 14001:2015: Environment Management System

ISO 45001:2018
Occupational health and safety management systems



MBB HC Technology

Key Features

Multi Busbar Technology

Better light trapping and current collection to improve module power output and reliability.

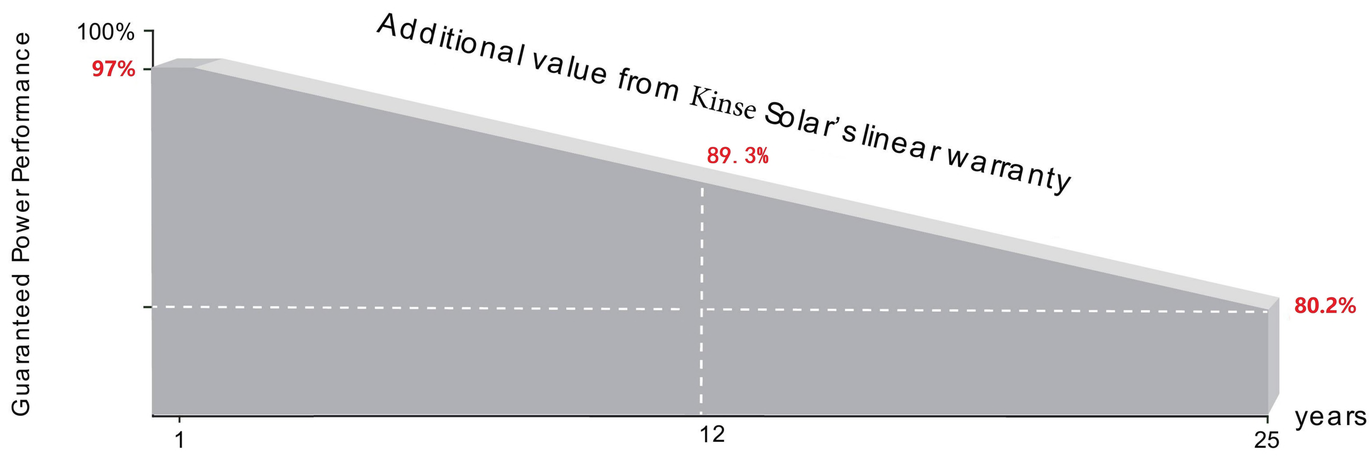
Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

Reduced Hot Spot Loss

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.

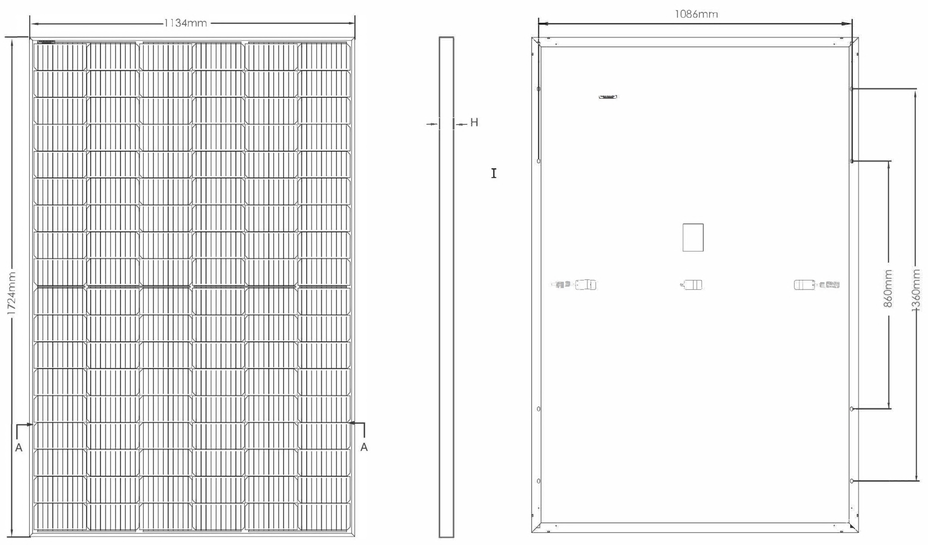
LINEAR PERFORMANCE WARRANTY



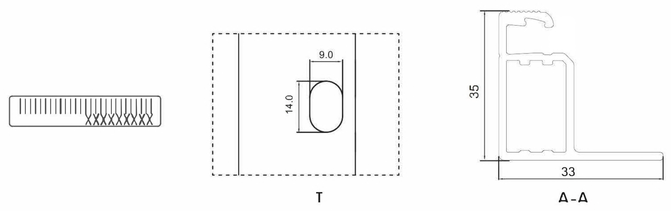
10 Year Product Warranty

25 Year Linear Power Warranty

Engineering Drawings



Front Side Back



Length: ±2mm

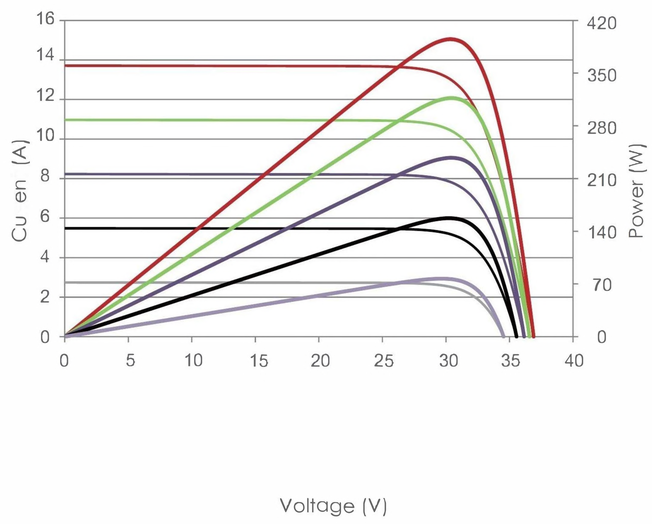
Width: ±2mm

Height: ±1mm

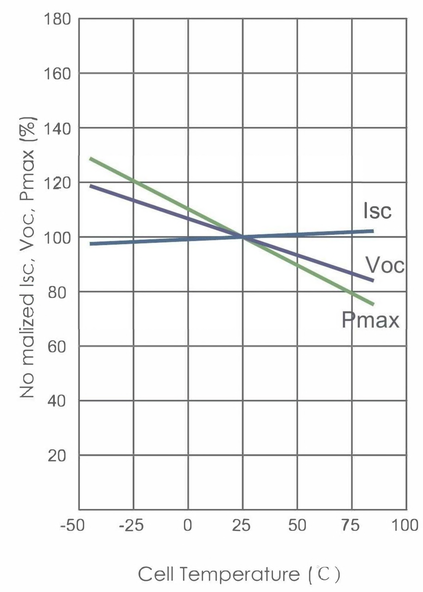
Row Pitch: ±2mm

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (405W)



Temperature Dependence of Isc, Voc, Pmax



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	108 (2x54)
Dimensions	1724×1134×35mm
Weight	21.0 kg
Front Glass	3.2mm,Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm² (+): 300mm , (-): 300mm or Customized Length

Connector: Make: Tonglin Model: TL-CABLE01S

Packaging Configuration

(Two pallets = One stack)

31pcs/pallets, 62pcs/stack, 806pcs/ 40'HQ Container

SPECIFICATIONS

Module Type	KS395-108-M182		KS400-108-M182		KS405-108-M182		KS410-108-M182		KS415-108-M182	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	395Wp	294Wp	400Wp	298Wp	405Wp	301Wp	410Wp	305Wp	415Wp	309Wp
Maximum Power Voltage (Vmp)	30.32V	28.26V	30.42V	28.42V	30.52V	28.56V	30.62V	28.72V	30.79V	28.88V
Maximum Power Current (Imp)	13.03A	10.40A	13.15A	10.47A	13.27A	10.55A	13.39A	10.62A	13.48A	10.69A
Open-circuit Voltage (Voc)	36.90V	34.83V	36.98V	34.90V	37.06V	34.98V	37.14V	35.05V	37.31V	35.21V
Short-circuit Current (Isc)	13.71A	11.07A	13.78A	11.13A	13.85A	11.19A	13.92A	11.24A	14.01A	11.32A
Module Efficiency STC (%)	20.23%		20.48%		20.74%		21.00%		21.25%	
Operating Temperature(℃)	-40℃~+85℃									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	25A									
Power tolerance	0~+5W									
Temperature coefficients of Pmax	-0.35%/℃									
Temperature coefficients of Voc	-0.28%/℃									
Temperature coefficients of Isc	0.048%/℃									
Nominal operating cell temperature (NOCT)	45±2℃									
Country of manufacture	Made In China									
Fire Rating	Class C									

Kinse Solar

*STC: Irradiance 1000W/m² Ambient Temperature 25°C AM=1.5

NOCT: Irradiance 800W/m² Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s

Power Allowance Range: ±3%

Specifications included in this datasheet are subject to change without notice.

Maanshan Kinse Energy Technology Co., LTD