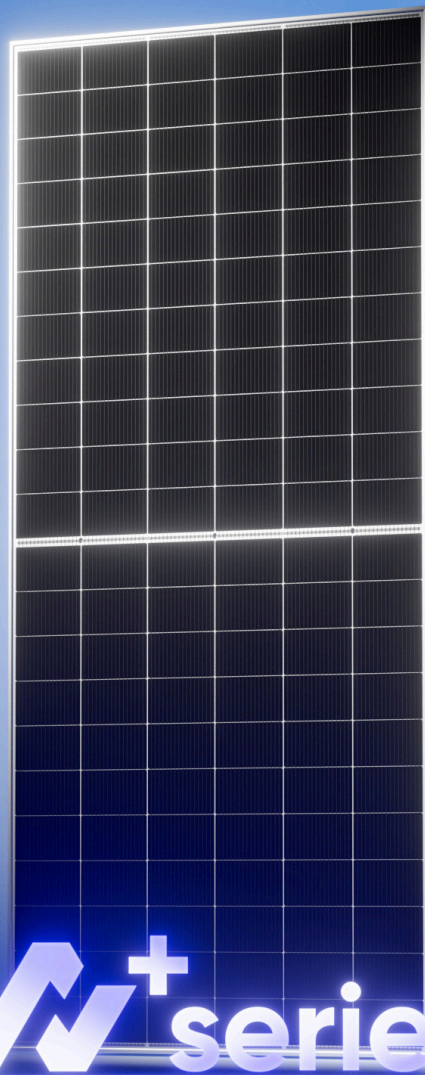




**SKYWORTH**  
Make Every Ray of Sunshine Count

# High Efficiency Series-66 620-640W



**N<sup>+</sup> series**



**Highly Anti PID**

linear power warranty with first year  $\leq 1\%$  degradation and an annual degradation rate of up to 0.4% after that



**Better low irradiance response**

Superior power generation under shading conditions



**Highly reliable**

15-year product warranty, 30-year linear power output warranty



**Improvement in power generation performance**

Conversion efficiency up to 23.7%



**Bifacial Energy Yield | N-type Silicon Wafer**

Bifacial rate of up to 80%, module additional power generation of up to 10% over regular modules

**QUALITY SYSTEM**

IEC 61215(2021), IEC 61730(2018)

ISO 9001:2015: Quality management systems

ISO 14001:2015: Environmental management systems

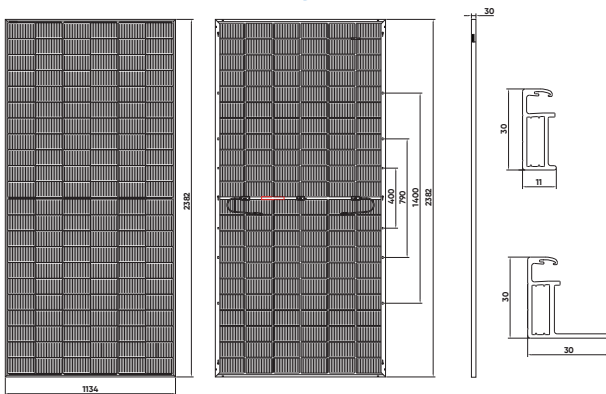
ISO 45001:2018: Occupational health and safety management systems

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# Electrical Characteristics

Module Type	QM210 THCD-620-66	QM210 THCD-625-66	QM210 THCD-630-66	QM210 THCD-635-66	QM210 THCD-640-66
	STC	STC	STC	STC	STC
Maximum Power[W]	620	625	630	635	640
Maximum Power Voltage[V]	41.40	41.70	42.00	42.30	42.60
Maximum Power Current[A]	14.99	15.00	15.01	15.02	15.03
Open circuit voltage[V]	49.60	49.90	50.20	50.50	50.80
Short Circuit Current[A]	15.91	15.92	15.93	15.94	15.95
Module Efficiency	<b>23.0%</b>	<b>23.2%</b>	<b>23.4%</b>	<b>23.6%</b>	<b>23.7%</b>
Operating Temperature	-40°C~+85°C				
Maximum System Voltage	DC 1500V				
Maximum Series Fuse Rating	25A/30A				
Power Tolerance[W]	0~+5W				
Voc Temperature Coefficient	-0.28%/°C				
Pmax Temperature Coefficient	-0.29%/°C				
Isc Temperature Coefficient	0.04%/°C				
Nominal Operating Cell Temperature	45±2°C				

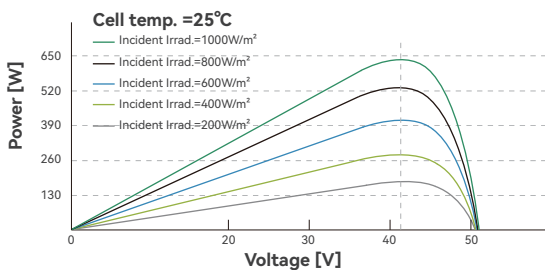
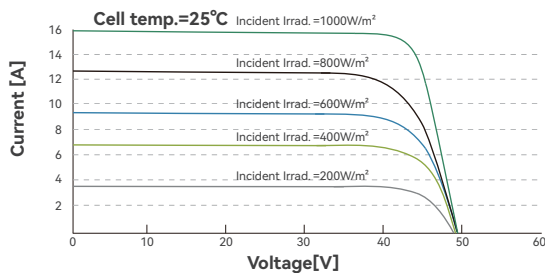
## Technical drawing



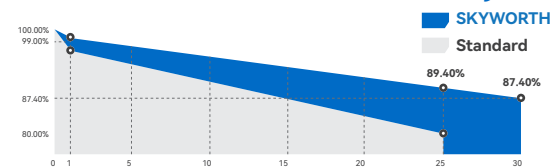
## Mechanical Specifications

Solar Cells	132(66×2)
Dimension	2382×1134×30mm
Weight	32.5kg
Front Glass	2.0mm AR coated heat strengthened-Glass
Back Glass	2.0mm heat strengthened-Glass
Frame	Anodized aluminium alloy
Junction Box	IP68 / 3 diodes
Output Cables	4mm <sup>2</sup> (IEC),+300mm/-200mm or customized
Bifaciality	80%+5%

## Characteristic



## Linear Performance Warranty



- 15 YEARS** 15-year product warranty
- 30 YEARS** 30-year linear power output warranty
- 0.4%** year 2-30 power degradation

## Level

Fire Performance	C
Security Protection	Class II

## Packing Configuration

Pallet	36pcs/Pallet
Container	720pcs/40HQ Container