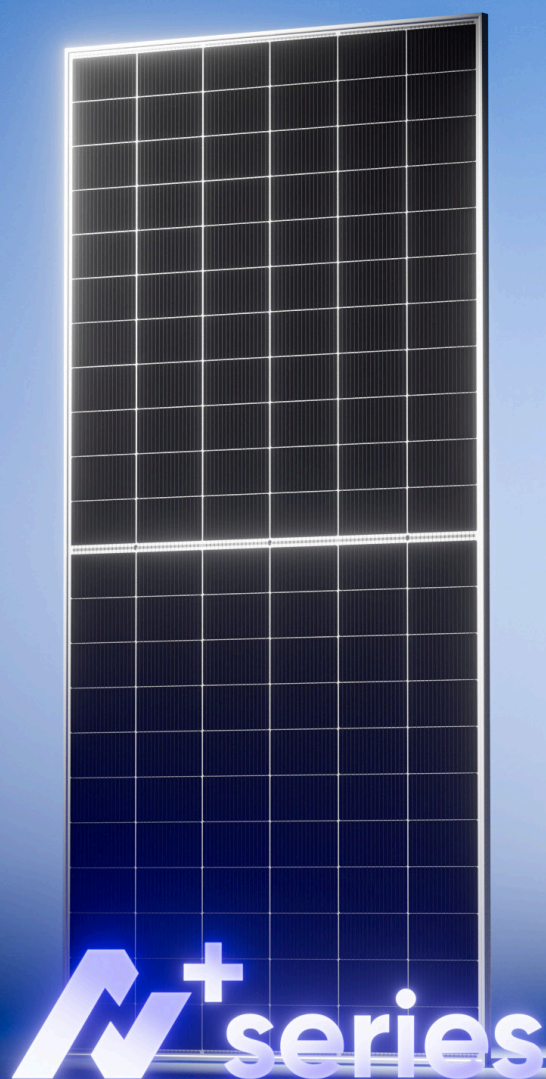




SKYWORTH
Make Every Ray of Sunshine Count

High Efficiency Series-66 620-640W



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

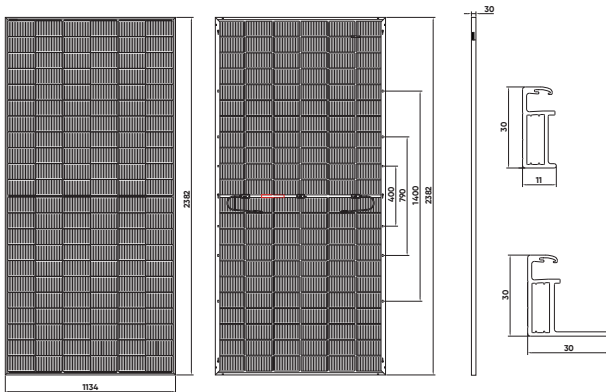
ISO 45001:2018: Occupational health and safety management systems

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Electrical Characteristics

Module Type	QM210R THCD-620-66	QM210R THCD-625-66	QM210R THCD-630-66	QM210R THCD-635-66	QM210R 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	23.0%	23.2%	23.4%	23.6%	23.7%
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				

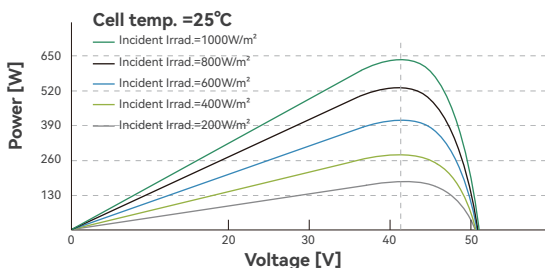
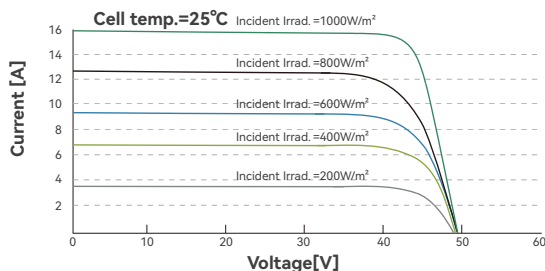
Technical drawing



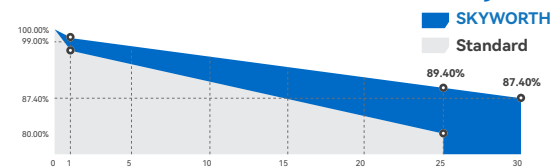
Mechanical Specifications

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	4mm²(IEC),+400mm/-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