

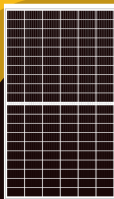


UKSP210M120
590W-610W



UK SOLAR P TYPE PERC 210MM
SOLAR CELL MONO SOLAR PANEL

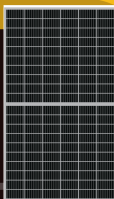
UK SOLAR
POWER
U.K.'S GLOBAL SOLAR SHOP



GKA210M120S
STANDARD



GKA210M120BK
BLACK VERSION



GKA210M120BF
BIFACIAL

KEY FEATURES



M Busbar Solar Cell

M Busbar Solar Cell design improves module efficiency and offers better aesthetic appearance for rooftop installation.



High Efficiency

Higher module conversion efficiency (up to 21.55%) benefit from Passivated Emitter Rear Contact (PERC) technology.



PID Resistance

Excellent Anti-PID performance guarantee limited power degradation for mass production.



Low-light Performance

Advanced glass and cell surface textured design ensure excellent performance in low-light environment.



Severe Weather Resilience

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



DURABILITY AGAINST EXTREME ENVIRONMENTAL CONDITIONS

High salt mist and ammonia resistance certified.

UK SOLAR SOLAR MODULE BOM

CELLS: TIER 1 BRANDS SOLAR CELLS TEMPERED
GLASS: ULTRA-CLEAR EVA, TRANSPARENCY>93%
BACKSHEETS: REFLECTIVITY>80% TPT JUNCTION
BOX: IP68 MAX 30A SILICON GEL: UV AGING-
RESISTANT FRAME: ANODIZED ALUMINUM 6005-T5

UK SOLAR QUALITY CONTROL

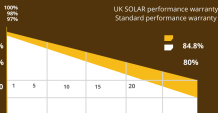
2 EL testing avoid cells cracking of each solar module.
2 Power flash testing avoid false welding and insufficient power of each module. Packing tightly with angle protection avoid transportation broken. UK SOLAR official Warranty cover all UK SOLAR solar module 30 years.



Tempered glass
EVA Cell EVA
Backsheets/Glass
Sealant
Aluminum frame
Junction box

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty 30 Year Linear Power Warranty



BRITISH
WARRANTY

Multi-award winning British solar company



TECHNOLOGY
IS
GREAT

التكنولوجيا
GREAT

UKSP210M120
590W-610W

SPECIFICATION

Maximum Power (P _{max})	STC NOCT	STC NOCT	STC NOCT	STC NOCT	STC NOCT
Open Circuit Voltage (V _{oc})	590W 448V	595W 452V	600W 456V	605W 460V	610W 464V
Short Circuit Current (I _{sc})	41.34V 38.72V	41.52V 38.92V	41.69V 39.11V	41.87V 39.31V	42.03V 39.50V
Voltage at Maximum Power	18.42A 14.94A	18.47A 14.98A	18.53A 15.02A	18.58A 15.06A	18.64A 15.10A
(V _{mp})	34.37V 31.80V	34.55V 31.94V	34.72V 32.09V	34.91V 32.24V	35.08V 32.38V
Current at Maximum Power (I _{mp})	17.17A 14.09A	17.22A 14.15A	17.28A 14.21A	17.33A 14.27A	17.39A 14.33A
Module Efficiency STC (%)	20.85%	21.02%	21.20%	21.38%	21.55%

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5; Tolerance of P_{max}: ±3%; Measurement Tolerance: ±3%; P_{max} According UK SOLAR's official testing.
NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s; Tolerance of P_{max}: ±3%; Measurement Tolerance: ±3%; P_{max} According UK SOLAR's official testing.

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

5%	Maximum Power (P _{max})	620W	625W	630W	635W	641W
15%	Module Efficiency STC (%)	21.89%	22.08%	22.26%	22.45%	22.63%
25%	Maximum power (P _{max})	679W	684W	690W	696W	702W
	Module Efficiency STC (%)	23.97%	24.18%	24.38%	24.58%	24.79%
	Maximum Power (P _{max})	738W	744W	750W	756W	763W
	Module Efficiency STC (%)	26.06%	26.28%	26.50%	26.72%	26.94%

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline PERC 210*105mm
Number of cells	120(6x20)
Module dimensions	2172*1303*30MM
Weight	28kg
Front cover	3.2mm (0.13inches) tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	IP68 rated (3 by pass diodes)
Cable	4mm2(0.006inches2); Portrait: 300mm(11.81inches);
Connector	PV compatible

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	43°C±2°C
Temperature Coefficients of P _{max}	-0.34%/°C
Temperature Coefficients of V _{oc}	-0.25%/°C
Temperature Coefficients of I _{sc}	-0.04%/°C

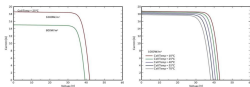
PACKAGING

Standard packaging	Module	36pcs/pallet
quantity per 20' container		288pcs (no pallet)
Module quantity per 40' container		648pcs (HQ)

ENGINEERING DRAWINGS



Electrical Performance & Temperature Dependence



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