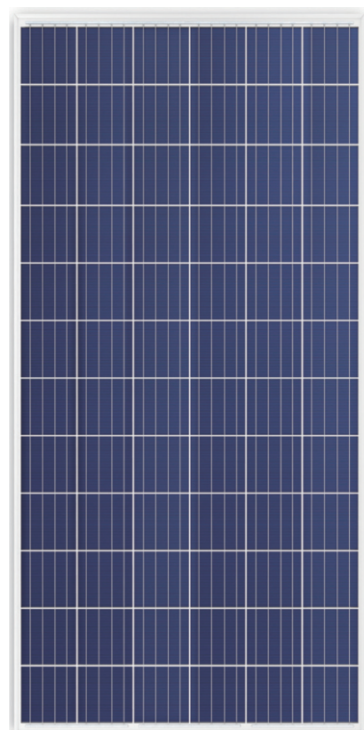




UK SOLAR POWER



UK310P72 SERIES

A British Brand of High Quality Solar Modules

UK SOLAR POWER

HIGHEST QUALITY - All our panels are produced to the Highest European and very strict British Standard regulations. Using only the best quality materials, our panels are designed to deliver the maximum return on your investment, whilst service and support is provided from our UK offices based in London. LONGEST GUARANTEES IN THE INDUSTRY - UK Solar Power Grade 'A' modules are supported by a British 12 year product warranty and a 30 year performance warranty. The performance warranty guarantees 90% of normal output for 12 years and 80% of normal output up to 30 years! BRITISH BACKED - Guarantees with a no quibble replacement policy!

18.2% - 20.2%

CELL EFFICIENCY

12 YEARS

PRODUCT WARRANTY

0 -3%

POWER TOLERANCE

POWER WARRANTY



80% Power Output Warranty



90% Power Output Warranty



Material & Workmanship Warranty



Performance

High output and efficiency even under low light conditions



Versatility

Salt mist corrosion tested, perfect for harsh climatic conditions



Reliability

Durable and reliable solar panels due to stringent quality control measures, testing and strict selection of raw materials and components. PID free (TUV certified)



Design and Innovation

UK Solar Power is committed to innovation and constantly working to provide the next breakthrough in solar technology.

POLYCRYSTALLINE, 72-CELL SERIES

ELECTRICAL PERFORMANCE

Module type	UK310P72								
Power output	P_{max}	W	310	315	320	325	330	335	340
Power output tolerances	ΔP_{max}	%	0 - 3						
Voltage at Pmax	V_{mpp}	V	37	37.28	37.56	37.8	38.07	38.33	38.6
Current at Pmax	I_{mpp}	A	8.38	8.45	8.52	8.6	8.67	8.74	8.81
Open-circuit voltage	V_{oc}	V	45.45	45.6	45.82	46.08	46.41	46.83	47.13
Short-circuit current	I_{sc}	A	8.85	8.91	9.03	9.08	9.13	9.16	9.23
Solar Module Efficiency	Eff.	%	15.98	16.23	16.49	16.75	17.01	17.26	17.52

STC: 1000W/m² irradiance, 25°C cell temperature, AM 1.5g spectrum according to EN 60904-3.

THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	°C	45±2
Temperature coefficient of Pmax	μ	%/°C	-0.40
Temperature coefficient of Voc	β_{Voc}	%/°C	-0.30
Temperature coefficient of Isc	α_{Isc}	%/°C	0.06
Temperature coefficient of Vmpp	β_{Vmpp}	%/°C	-0.35

OPERATING CONDITIONS

Max. system voltage	1000V _{DC}
Limiting reverse current	15A
Operating temperature range	-40°C to 85°C
Max. static load front (e.g., snow)	5400Pa
Max. static load back (e.g., wind)	2400Pa
Max. hailstone impact (diameter / velocity)	25mm / 23m/s

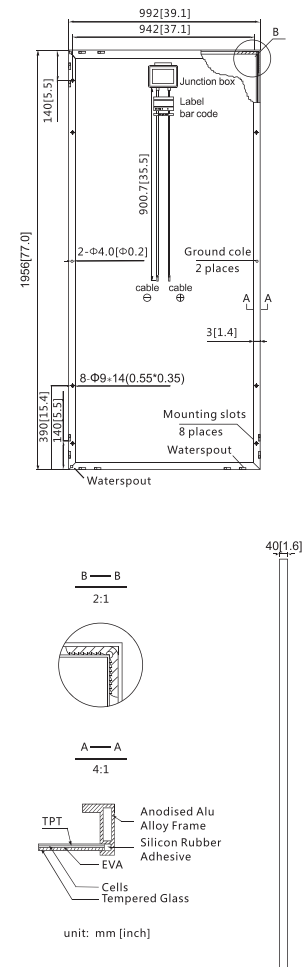
MECHANICAL CHARACTERISTICS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Backsheet (color)	white
Cell (quantity / material / dimensions)	72 / polycrystalline silicon / 156 x 156mm
Frame (material / color)	anodized aluminum alloy / silver
Junction box (protection degree)	≥ IP67
Cables & Plug connectors	900mm / 4mm ² & MC4 compatible / IP67
Module Dimensions (L / W / H)	1956mm x 992mm x 40mm
Module Weight	21.6kg

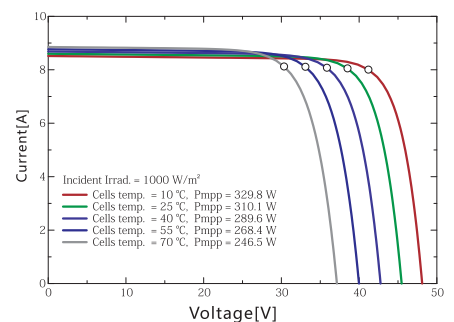
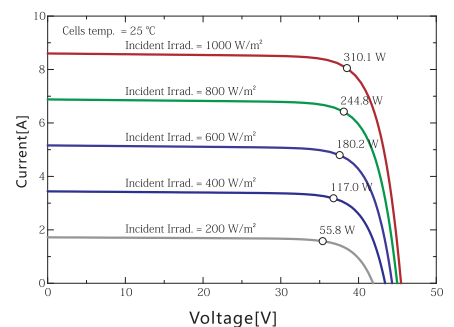
PACKING DETAILS

Container	20'GP	40'HQ
Pieces per pallet	52	58
Pallets per container	5	11
Pieces per container	260	638

Module Diagram:



Electrical Curves:



UK SOLAR Partners

QUALIFICATIONS & CERTIFICATIONS

IEC 61215, IEC 61730, CE, IEC 62804 (PID Free), UL 1703, J-PEC, PV CYCLE, IEC/EN 61701, IEC 62716

