



**UK
SOLAR POWER**

UK275M60
A British Brand of High Quality Solar Modules



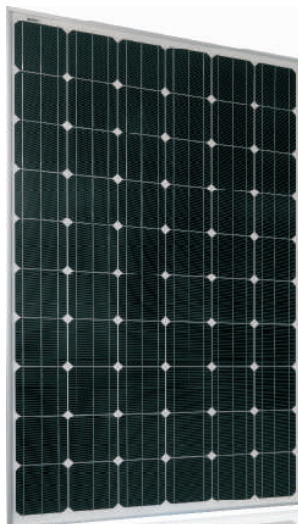
Recommended For













Commercial Roof



Utility Scale Ground Mounted



UK275M60 Mono Crystalline Photovoltaic Module

-  Plus power tolerance(0-3%) to ensure the high reliability of power output
-  Module certified by TUV
 -  For SNOW ZONE III, withstand high level of wind loads(2400Pa) and snow loads(5400Pa)
 -  For PID test. No Potential Induced Degradation cause by High Voltage Stress
 -  For Salt mist corrosion, ammonia corrosion test
-  Anti-reflective, hydrophobic layer of module surface(proprietary 800° C online coating technology) improves light absorption and reduces surface dust
-  Easy installation and minimal maintenance with compatibility to industry standard inverters and mounting system
-  Special PV Module Insurances by world leading insurance company guarantees the benefit of PV investors and PV module users
-  Junction box and bypass diodes guarantee the module free of overheating and "hot spot effect"
-  Modules' excellent performance under low light environments(mornings, evenings, and cloudy days) create better kWh/kW ratio and produce average 2-3% more electricity in the field

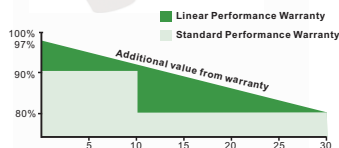
Guaranteed Performance** Grade A

12 Years Warranty
limited product warranty

12 Years Warranty
91.2% of the nominal Power Output

30 Years Warranty
80.6% of the nominal Power Output

Free module recycling through
membership in the PV cycle Association



Choosing 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!



UK SOLAR POWER LTD

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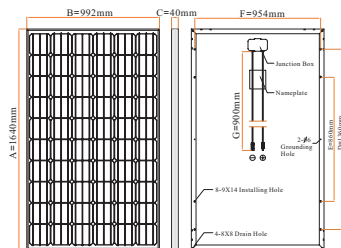
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MECHANICAL SPECIFICATION

Cell Type	Mono crystalline 156x156mm(6 inches)
Number of cells	60(6x10)
Dimensions(AxBxC)	1640x992x40mm
Weights	17.5kg
Front Glass	3.2 mm Low iron tempered glass
Frame	Anodized aluminum
Junction Box	IP 65, with bypass diodes
Connector	Mc4 compatible
Output Cables	TÜV, length 900mm, 4.0mm ²

MECHANICAL DRAWINGS



ELECTRICAL CHARACTERISTICS

PERFORMANCE AT STANDARD TEST CONDITION(STC:1000W/m², 25°C, AM1.5)

Module Series	UK275M60
Maximum Power at STC(P _{max})	275W
Short Circuit Current(I _{sc})	9.47A
Open Circuit Voltage(V _{oc})	37.7V
Maximum Power Current(I _{mp})	8.96A
Maximum Power Voltage(V _{mp})	30.7V
Encapsulated Cell Efficiency	19.2%
Module Efficiency	16.9%
Power Tolerance	0/+3%

PERFORMANCE AT NORMAL OPERATING CELL TEMPERATURE(NOTE:800W/m², 44±2°C, AM1.5)

Maximum Power(P _{max})	199W
Short Circuit Current(I _{sc})	7.73A
Open Circuit Voltage(V _{oc})	34.83V
Maximum Power Current(I _{mp})	7.01A
Maximum Power Voltage(V _{mp})	28.37V

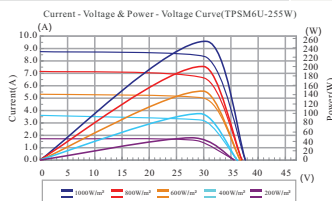
The typical relative change in module efficiency at an irradiance of 200W/m² in relation to 1000W/m² (both at 25°C and AM 1.5 spectrum) is less than 6%

TEMPERATURE CHARACTERISTICS

Nominal Operating Cel Temperature(NOCT)	44±2°C
Temperature Coefficient of P _{max} (γ)	-0. 41%/K
Temperature Coefficient of V _{oc} (β)	-0. 32%/K
Temperature Coefficient of I _{sc} (α)	0. 05%/K

PACKING CONFIGURATION

Container	40'HQ
Pieces per pallet	25
Pallets per container	28
Pieces per container	742



SYSTEM INTEGRATION PARAMETERS

Maximum system voltage	DC 1000V
Maximum Series Fuse	16A
Maximum reverse current	21.5A
Increased snowload acc. to IEC 61215	5400Pa
Operating Temperature	-40~+85°C
Number of bypass diodes	3

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