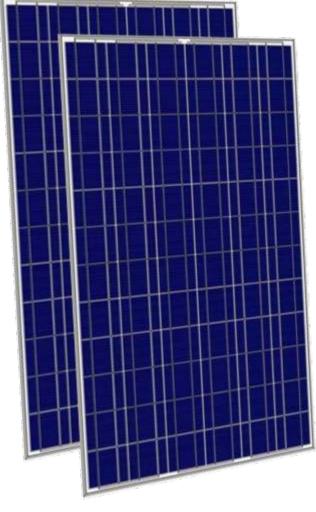
UNIVERSAL SOLAR USP-P6-60 SERIES





Certifications and standards:







230 - 250 Watt

POLYCRYSTALLINE SOLAR MODULE

Features



High Module Conversion Efficiency Up to 15.6%, through superior cell technology and leading manufacturing capability



Positive Tolerance Proven field tolerance 0-5% ensures reliable power output



Intensive Wind and Snow Load Tests Entire module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal) *



Self Clean Effect Anti-reflective, hydrophobic layer improves light

absorption and reduces surface dust



Excellent Weak Light Performance

Excellent performance under low light environments to capture early morning and late evening sunlight



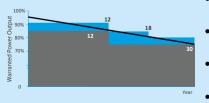
World Class Manufacturing Facilities

Our manufacturing facilities are ISO certified for Quality assurance and delivers world class products

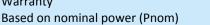
Trust USG P60 Series for Reliable Performance Over Time

- World's trusted manufacturer of crystalline silicon photovoltaic modules
- Un-rivaled manufacturing capacity and world-class technology
- Rigorous quality control meeting the highest international standards
- Tested for harsh environment

Industry Leading Australian Local Warranty



- 30-year linear power output warranty: 12 years/91.2%, 30 years/80.6% **
- Warrants more power than
- the market standard over 25 years 12-year product workmanship
- Warranty



* Please refer to Universal solar panel Standard Module Installation Manual for details.

** Please refer to Universal solar Panel Product Warranty for details.





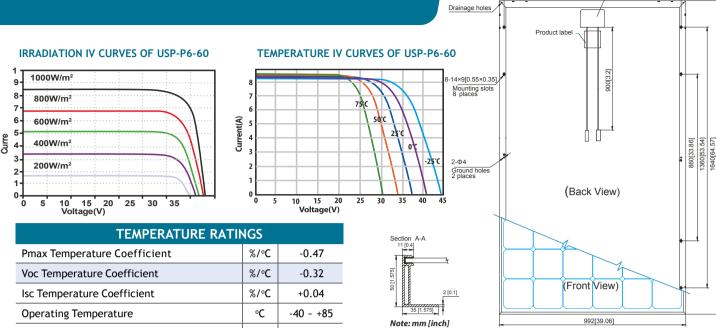
Superior Frame Design

Specially designed drainage holes and rigid construction prevent frames from deforming. Screw less frame design for a long term durability.

Most Modern IP65 Rated Junction Box

IP65 rated Supports any orientation installation. High performance low resistance connectors ensure maximum module power output for highest energy production.

UNIVERSAL SOLAR USP-P6-60 SERIES



Nominal Operating Cell Temperature (NOC	r) ∘c	45 ± 2	Note: mm [mcn]	•		
		All	UNITS OF MODE	EL USP-P6-60 S	ERIES PANELS I	MADE IN CHINA
	ELE	CTRICAL CHA	RACTERISTICS			
Module Type	Unit	USP P6-250/60	USP P6-245/60	USP P6-240/60	USP P6-235/60	USP P6-230/60
Rated Power at STC (Pmp)	W	250	245	240	235	230
Power tolerance	%	0-5	0-5	0-5	0-5	0-5
Cell Efficiency (nc)	%	17.9	17.5	17.2	16.8	16.5
Minimum Module Efficiency (nm)	%	15.6	15.2	14.9	14.6	14.3
Maximum Power Voltage (Vmp)	V	29.9	29.9	29.8	29.6	29.5
Maximum Power Current (Imp)	А	8.35	8.21	8.05	7.94	7.83
Open Circuit Voltage (Voc)	V	37.3	37.3	37.0	36.8	36.8
Short Circuit Current (Isc)	А	8.98	8.78	8.55	8.44	8.34
Maximum System Voltage	V	1000 (TUV)				
Maximum Series Fuse Rating	Α	15				

STC: Irradiance 1000 W/m2, Module Temperature 25°C, Air Mass 1.5

MECHANICAL CHARACTERISTICS				
External Dimension	1640 × 990 × 35 mm			
Weight	19.0 kg			
Solar Cells	60 pieces Polycrystalline 156 × 156 mm			
Front glass	3.2 mm tempered low iron glass			
Frame	Anodized / Electrophoretic Aluminium			
Junction Box	IP65 / IP67			
Output Cables	4.0 mm2, symmetrical lengths 900 mm			
Connector	TL-CABLE01			
Maximum Snow Load	550 kg/m2			
Maximum Wind Load	200 km/h			
Hailstone Impact Test	80 km/h for 25 mm ice ball			



PACKAGING	
Modules Per Pallet	28
Pallet Dimension	1650 x 1115 x 995 mm
Pallet Weight	535 kg

946[37.0]

-Junction box

Dealer	Informa	tion		

Specifications are subject to change without further notification