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EnergyPal

Solar Panel Guide Specification Data Sheet

U R Energy India Pvt. Ltd.

URE40-120-36M

URE60-36M

Also available on the web at
EnergyPal.com/u-r-energy-india-pvt-ltd-solar-panels/ure60-36m

UREXX-36M (MONO)

XXX=120W/100W/80W/60W/40W



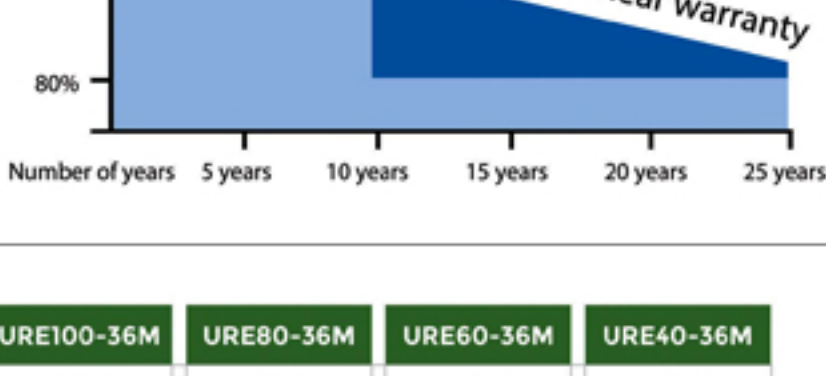
- Industry leading module power output warranty
- International quality, safety and performance certifications ISO 9001, ISO 14001, OHSAS 18001 certified company
- Beautiful appearance, good durability & easy installation
- Special design in accordance with requirements of customers

- Warranties**
- 10 years for product defects in materials & workmanship
 - 10 years for 90% of warranted minimum power output
 - 25 years for 80% of warranted minimum power output
 - 25 years linear warranty

Certifications and standards:

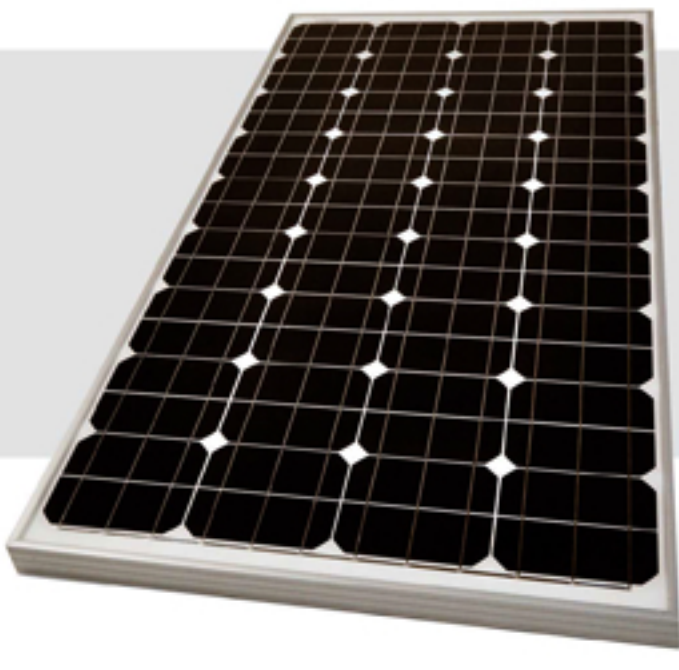


URE's NEW linear performance warranty



Model type	URE120-36M	URE100-36M	URE80-36M	URE60-36M	URE40-36M
Peak power(Pmax)	120W	100W	80W	60W	40W
Weight	10kg	8.45kg	7.02kg	5.52kg	4.09kg
Dimensions(mm)	1280×670×35	1070×670×35	875×670×35	675×670×30	480×670×30
Maximum power voltage(Vmp)	17.5V	17.5V	17.5V	17.5V	17.5V
Maximum power current(Imp)	6.86A	5.72A	4.58A	3.43A	2.29A
Open circuit voltage(Voc)	21.6V	21.6V	21.6V	21.6V	21.6V
Short circuit Current(Isc)	7.75A	6.46A	5.17A	3.87A	2.59A
Maximum system voltage	DC 1000V				
Temp. Coeff.of Isc (TK Isc)	0.045%/°C				
Temp. Coeff.of Voc (TK Voc)	-0.34%/°C				
Temp. Coeff. Of Pmax (TK Pmax)	-0.47%/°C				
Normal Operating Cell Temperature	45±2°C				
Tolerance	±3%				

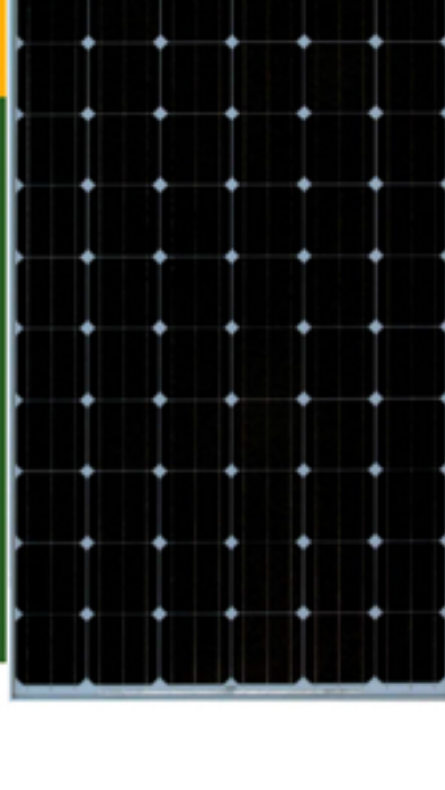
STC Irradiance 1000W/m², Temperature 25°C, AM=1.5



*With Technical Expertise and State of the art manufacturing facilities, In case of Bulk requirement, U R Energy can Provide customized products as per specific requirements.

UREXX-60M

XXX=270W/265W/260W/250W



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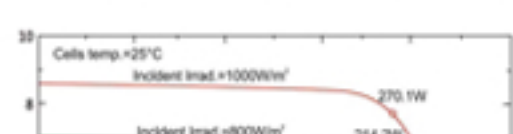
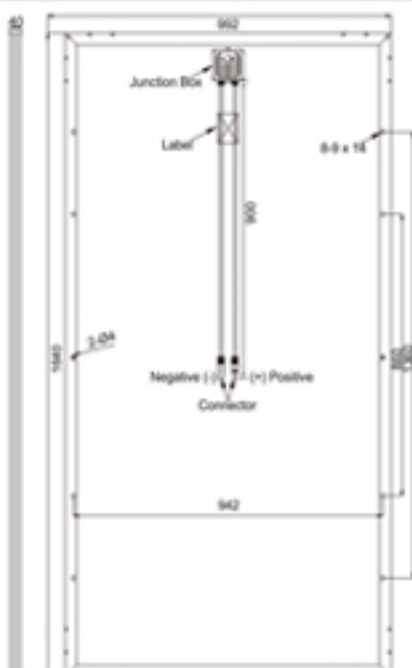
URE's NEW linear performance warranty



Model type	URE270-60M	URE265-60M	URE260-60M	URE250-60M
Peak power(Pmax)	270W	265W	260W	250W
Maximum power voltage(Vmp)	31.48V	31.37V	31.26V	30.96V
Maximum power current(Imp)	8.58A	8.45A	8.317A	8.07A
Open circuit voltage(Voc)	38.56V	38.46V	38.32V	37.92V
Short circuit Current(Isc)	9.27A	9.13A	8.9A	8.62A
Cell efficiency	19.40%	19.04%	18.68%	17.96%
Module efficiency	16.60%	16.29%	15.98%	15.37%
Maximum series Fuse Rating	15A			
Maximum system voltage	DC 1000V			
Temp. Coeff.of Isc (TK Isc)	0.037%/°C			
Temp. Coeff.of Voc (TK Voc)	-0.34%/°C			
Temp. Coeff. Of Pmax (TK Pmax)	-0.48%/°C			
Operating Temperature	(- 40 ~ + 85%)°C			
Normal Operating Cell Temperature	45±2°C			
Positive Tolerance	0 ~ +3%			
Cell type	Mono Crystalline silicon,156mmx156mm			
Number of the cells	60 cells in series			
Weight	18.00Kg			
Dimensions	1640×992×40/35mm(64.56×39.06×1.58/1.4inch)			
Front Glass	3.2 mm tempered glass			
Output Cables	4 mm ² , symmetrical lengths, 900 mm			
Connectors	MC4 compatible IP67			

Packing Configuration

	20' GP	40' GP	40' HQ
Container	20' GP	40' GP	40' HQ
Pieces per pallet	46	46	56
Pallets per container	6	14	14
Pieces per container	279	644	784



I-V Curves at different irradiance

I-V Curves at different temperature

Cells temp =25°C

Cells temp =10°C, 20°C, 30°C, 40°C, 50°C

Test Certifications and Warranties

Standard Tests :	IEC 61215, IEC 61730
System Certificates :	ISO 9001, ISO 14001
Certifications :	TUV, CEC, CHUBB, CE
Extreme wind and Snow loads Testing :	Withstand extreme wind(2400 Pascal) and snow loads(5400 Pascal)
Junction Box :	> Ip65
Warranties :	10 years material and workmanship warranty, First 10 years 90% of warranted minimum power output and next 15 year 80% of warranted minimum power output.

STC Irradiance 1000W/m², Temperature 25°C, AM=1.5

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UREXX-72M

XXX=325W/320W/310W/300W



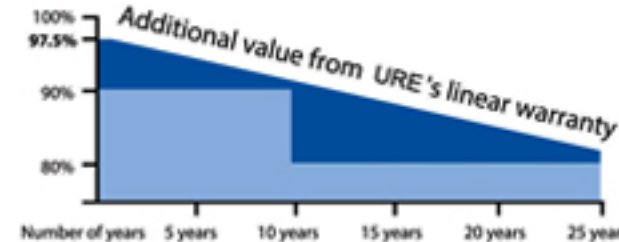
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 - 25 years linear warranty

Certifications and standards:



URE's NEW linear performance warranty



Model type	URE325-72M	URE320-72M	URE310-72M	URE300-72M
Peak power(Pmax)	325W	320W	310W	300W
Maximum power voltage(Vmp)	37.64V	37.6V	37.52V	37.13V
Maximum power current(Imp)	8.63A	8.51A	8.27A	8.08A
Open circuit voltage(Voc)	46.67V	46.62V	46.46V	46.11V
Short circuit Current(Isc)	9.07A	8.94A	8.7A	8.64A
Cell efficiency	19.27%	18.97%	18.40%	17.78%
Module efficiency	16.75%	16.50%	16.00%	15.46%
Maximum series Fuse Rating	15A			
Maximum system voltage	DC 1000V			
Temp. Coeff.of Isc (TK Isc)	0.037%/°C			
Temp. Coeff.of Voc (TK Voc)	-0.34%/°C			
Temp. Coeff. Of Pmax (TK Pmax)	-0.48%/°C			
Operating Temperature	(- 40 ~ + 85%)°C			
Normal Operating Cell Temperature	45±2°C			
Positive Tolerance	0 ~ +3%			
Cell type	Mono Crystalline silicon,156mmx156mm			
Number of the cells	72 cells in series			
Weight	23Kg			
Dimensions	1956×992×50mm(77.01×39.06×1.97inch)			
Front Glass	3.2 mm tempered glass			
Output Cables	4 mm ² , symmetrical lengths, 900 mm			
Connectors	MC4 compatible IP67			

Packing Configuration

	20' GP	40' GP	40' HQ
Container	20' GP	40' GP	40' HQ
Pieces per pallet	38	38	46
Pallets per container	5	11	11
Pieces per container	190	418	506



I-V Curves at different irradiance

I-V Curves at different temperature

Cells temp =25°C

Cells temp =10°C, 20°C, 30°C, 40°C, 50°C

Test Certifications and Warranties

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