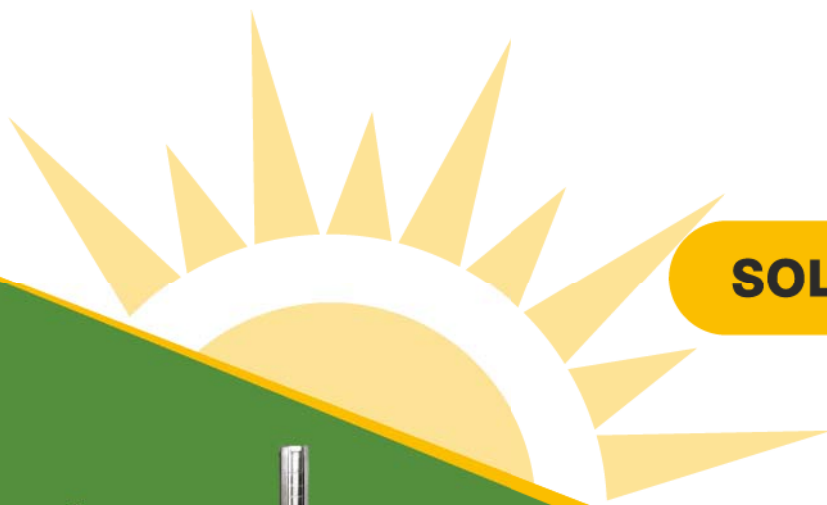


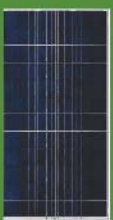


URenergy®

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SOLAR INVERTER



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U R Energy started its journey in the solar industry in Australia in 2009 and within 6 years achieved a market leading position servicing 26,000+ residential and commercial customers across the Australian solar market. Inspired by the success in Australia, the company decided to expand globally and most recently began operations in India in 2015 and the United States of America in 2016. The company now procures, develops and installs solar power systems at economic prices for residential, commercial and utility scale customers across the world including Australia, United States of America, India, Dubai, Africa, and United Kingdom.

Quality is at the core of our business whether it be the solar products we source, our installation process or the service we provide to our customers. U R Energy is an ISO 9001, ISO 14001 and OHSAS 18001 accredited company and we source only the highest quality solar power systems from Tier 1, modern manufacturing facilities around the world.

The business was started with a single goal, to help accelerate the growth and adoption of solar power systems across the world not only for its obvious environmental benefits but also for the economic benefits available to our customers. That's why we offer the highest quality products at the best price available on the market today and as always, backed by our 5% price beat guarantee.



URE Single Phase Grid Tied Inverter

LEADING FEATURES

- ▲ Compact and lightweight, visually pleasing for domestic environment
- ▲ 70V-500V input voltage range-ultra low startup
- ▲ Max. efficiency. Over 96.0-97.8%
- ▲ Dual MPPT design with Precise MPPT algorithm
- ▲ IP65 rated for external installation
- ▲ RS 485, WiFi/GPRS (optional) interface
- ▲ Multiple protection functions
- ▲ WiFi monitoring available - iphone and android app available
- ▲ 5 years standard warranty, 10 years optional upgrade. (Extended Warranty)



Single Phase Inverter



EMTEK

Product Range :-

- ▲ URE-1K-2G
- ▲ URE-1.5k-2G
- ▲ URE-2k - 2G
- ▲ URE-2.5k - 2G
- ▲ URE-3k - 2G
- ▲ URE-3.6k - 2G
- ▲ URE-4k - 2G
- ▲ URE-4.6k - 2G
- ▲ URE-5k - 2G



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Data Sheet

Model	URE 1k- 2G	URE 1.5k- 2G	URE 2k- 2G	URE 2.5k- 2G	URE 3k- 2G	URE 3.6k- 2G	URE 4k- 2G	URE 4.6k- 2G	URE 5k- 2G
Energy Source	PV								
Input side									
Max. DC input voltage (V)	450				600				
Start up DC input voltage (V)	60				120				
MPPT operating range (V)	50-400				100-500				
Rated DC voltage (V)	200				440				
Max. DC input current (A)	10			10+10			15+15		
Number of MPPT/ Max strings per MPPT	1/1		2/2		2/1		2/2		
Output side									
Rated output power (KW)	1	1.5	2	2.5	3	3.6	4	4.6	5
Max. transient power (KW)	1.1	1.7	2.2	2.8	3.3	4	4.4	5	5
Rated AC grid voltage (V)	230								
AC grid voltage range (V)	180-270 (Adjustable)								
operating phase	Single								
Rated AC grid output current (A)	4.3	6.5	8.7	10.9	13	15.7	17.4	20	21.7
Max. AC output current (A)	6.1	9.2	12.2	13.3	15.7	16	21	23.8	23.8
Output power factor	>0.99			0.8 leading ... 0.8 lagging					
Reactive power control	0.8/0.9/1 Optional								
Total Harmonic Distortion (THD)	< 1.5%			< 2.3%					
DC injection current (mA)	<20								
Rated grid frequency (Hz)	47-52Hz or 57-62 Hz (adjustable)								
Efficiency									
Max efficiency	>96.7%	>96.7%	>96.7%	>97.5%			97.8%		
Euro efficiency	>96.2%	>96.2%	>96.2%	>96.8%			97%		
MPPT efficiency	>99.9%								
Protection									
Temperature protection	Yes								
DC reverse-polarity protection	Yes								
AC short circuit protection	Yes								
AC output overcurrent protection	Yes								
Output overvoltage protection - Varistor	Yes								
Ground fault monitoring	Yes								
Grid monitoring	Yes								
Islanding protection	Yes								
Integrated DC switch	Optional								
General data									
Size (mm)	270W * 435H*105D				339W * 565H*172.5D				
Weight (KG)	5.2			12	13.8		15.8		
Topology	Transformerless								
Internal consumption	<1W (Night)								
Running temperature	-25°C ~ 60°C								
Ingress protection	Ip65								
Operating range utility frequency (Hz)	47-52 or 57-62(adjustable)								
Noise emission (typical)	<30 dBA								
Cooling concept	Natural convection								
Max. operating altitude without derating	4000m								
Designed lifetime	>20 years								
Utility monitoring	Islanding protection Vac, Fac, in accordance with UL 1741, G83/2, G59/2, AS4777, VDE -0126-1-1								
Operating surroundings humidity	0~100%								
EMC	EN61000-6-1:2007				EN61000-6-3:2007				
Features									
DC connection	Original MC 4 Connector								
AC connection	IP67 rated plug								
Display	LCD, 2×20 Z								
Interface	WiFi / GPRS (Optional)								
Warranty	5-10 years								

*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.

URE Mini Series Inverter

LEADING FEATURES

- ▲ Compact and lightweight, visually pleasing for domestic environment
- ▲ 50V-400V input voltage range-ultra low startup
- ▲ Max. efficiency Over 96.7%
- ▲ Precise MPPT algorithm
- ▲ IP65 rated for external installation
- ▲ RS 485, WiFi/GPRS (optional) interface
- ▲ Multiple protections levels
- ▲ WiFi monitoring available - iphone and android app available
- ▲ 5 years standard warranty, 10 years optional upgrade. (Extended Warranty)



Single Phase Inverter



EMTEK

Product Range :-

- ▲ URE Mini 700
- ▲ URE Mini 1000
- ▲ URE Mini 1500
- ▲ URE Mini 2000
- ▲ URE Mini 2500



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Data Sheet

Model	URE Mini 700	URE Mini 1000	URE Mini 1500	URE Mini 2000	URE Mini 2500
Energy Source	PV				
Input Side (DC)					
Max. input power	0.9kW	1.2kW	1.8kW	2.4kW	3kW
Max. input voltage	450v			500v	
Start-up input voltage	60V				
MPPT voltage range	50-400V				
Max. input current	10A				
MPPT number/Max. input strings number	1/1				
Output Side (AC)					
Rated output power	0.7kW	1kW	1.5kW	2kW	2.5kW
Max. transient power	0.8kW	1.1kW	1.65kW	2.2kW	2.5kW
Rated grid voltage	220/230/240V				
Grid voltage range	180~270V (adjustable)				
Rated grid frequency	50/60Hz				
Operating phase	Single				
Max. output current	4.4A	6.1A	9.2A	12.2A	13.9A
Power factor	0.8 leading ... 0.8 lagging				
Total harmonic distortion (THDi)	<3%				
DC injection current	<20mA				
Grid frequency range	47-52Hz or 57-62Hz(adjustable)				
Efficiency					
Max. efficiency	96.7%				
EU efficiency	96.2%				
MPPT efficiency	99.9%				
Protection					
DC reverse-polarity protection	Yes				
Short circuit protection	Yes				
Output over current protection	Yes				
Output over voltage protection	Yes				
Insulation resistance monitoring	Yes				
Residual current detection	Yes				
Surge protection	Yes				
Grid monitoring	Yes				
Islanding protection	Yes				
Temperature protection	Yes				
Integrated DC switch	Optional				
General Data					
Dimensions	270W*433H*105D(mm)				
Weight	5.2kg		5.6kg		
Topology	Transformerless				
Self consumption	<1W(Night)				
Operating ambient temperature range	-25°C~60°C				
Ingress protection	IP65				
Noise emission(typical)	<30 dBA				
Cooling concept	Natural convection				
Max. operation altitude	4000m				
Designed lifetime	>20 Years				
Grid connection standard	EN50438, G83/2,AS4777,VDE0126-1-1,IEC61727				
Relative humidity	0~100%				
Safety/EMC standard	EN61000-6-1:2007; EN61000-6-3:2007 IEC62109-1/-2; AS3100				
Features					
DC connection	Original MC4 Connector				
AC connection	IP67 rated plug				
Display	LCD, 2 x 20 Z.				
Interface	RS 485, WiFi/GPRS (optional)				
Warranty	5~10 Years				

*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.

URE Mini 4G Series Inverter

LEADING FEATURES

- ▲ High switch frequency technology-Smaller, smarter
- ▲ DRM integrated, fully comply with AS4777.2:2015
- ▲ Compact and lightweight, visually pleasing
- ▲ 50V-600V input voltage range-ultra low startump
- ▲ Over 97.5% Max efficiency
- ▲ Precise MPPT algorithm
- ▲ IP65 rated for external installation
- ▲ RS 485, WiFi/GPRS (optional) interface
- ▲ Multiple protections levels
- ▲ WiFi monitoring available - iphone and android app available
- ▲ 5 years standard warranty, 10 years optional upgrade. (Extended Warranty)



Mini 4G Series Inverter



EMTEK

Product Range :-

- ▲ URE Mini 700-4G
- ▲ URE Mini 1000-4G
- ▲ URE Mini 1500-4G
- ▲ URE Mini 2000-4G
- ▲ URE Mini 2500-4G
- ▲ URE Mini 3000-4G
- ▲ URE Mini 3600-4G



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Data Sheet

Model	URE-mini-700-4G	URE-mini-1000-4G	URE-mini-1500-4G	URE-mini-2000-4G	URE-mini-2500-4G	URE-mini-3000-4G	URE-mini-3600-4G
EnergySource	PV						
Input Side(DC)							
Max. DC input power(kW)	0.9	1.2	1.8	2.3	3	3.5	4
Max. DC input voltage(V)	600						
Start-up voltage(V)	60			90			
MPPT voltage range(V)	50-500			80-500			
Max. input current(A)	11A						
MPPT number/Max input strings number	1/1						
Output Side (AC)							
Rated output power(kW)	0.7	1	1.5	2	2.5	3	3.6
Max. apparent output power(kVA)	0.8	1.1	1.7	2.2	2.8	3.3	3.6
Max. output power(kW)	0.8	1.1	1.7	2.2	2.8	3.3	3.6
Rated grid voltage(V)	230						
Grid voltage range(V)	160-285						
Rated grid frequency(Hz)	50/60						
Operation phase	Single						
Rated grid output current(A)	3.0	4.3	6.5	8.7	10.9	13	16
Max. output current(A)	4.4	5.2	8.1	10.5	13.3	15.7	16
Power Factor (at rated output power)	0.8...1...0.8						
THDi (at rated output power)	<1.5%						
DC injection current(mA)	<20						
Grid frequency range(Hz)	47-52or 57-62						
Efficiency							
Max. efficiency	97.2%			97.5%			
EU efficiency	96.5%			96.8%			
MPPTefficiency	>99.5%						
Protection							
DC reverse-polarity protection	Yes						
Short circuit protection	Yes						
Output over current protection	Yes						
Output over voltage protection	Yes						
Insulation resistance monitoring	Yes						
Residual current detection	Yes						
Surge protection	Yes						
Islanding protection	Yes						
temperature protection	Yes						
Integrated DC switch	Optional						
General Data							
Dimensins(mm)	310W*373H*160D (mm)						
Weight(kg)	7.4				7.7		
Topology	Transformerless						
Self consumption (night)	<1W(Night)						
Operating ambient temperature range	-25~60°C						
Ingress protection	Ip65						
Noise emission{typical}	<20 dBA						
Cooling concept	Natural convection						
Max.operation altitude	4000m						
Designed lifetime	>20years						
Grid connection standard	EN50438, G83/2, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE N4105						
Relative humidity	0~100%						
Safty/EMC standard	IEC62109-1/-2, NB/T 32004,EN61000-6-1, EN61000-6-3						
Features							
DC connection	MC-4mateable						
AC connection	Ip67rated plug						
Display	LCD,2x20 Z.						
Communication connections	4 pins RS485 connector						
Warranty	5 years standard (extend to 20 years)						

URE Three Phase Grid Tied Inverter

LEADING FEATURES

- ▲ Compact, light weight & easy to install
- ▲ 200-800V input voltage range-ultra low startup
- ▲ Max. efficiency. Over 98.2-98.6%
- ▲ Precise MPPT algorithm with Four MPPT design
- ▲ IP65, visually pleasing for domestic environment
- ▲ RS 485, WiFi/GPRS (optional) interface
- ▲ Multiple protections levels
- ▲ WiFi monitoring available - iphone and android app available
- ▲ 5 years standard warranty, 10 years optional upgrade. (Extended Warranty)



Three Phase Inverter



EMTEK

Product Range :-

- ▲ URE-6K (6kW)
- ▲ URE-10K (10kW)
- ▲ URE-15K (15kW)
- ▲ URE-20K (20kW)
- ▲ URE-25K (25kW)
- ▲ URE-30K (30kW)
- ▲ URE-36K-HV (36kW)
- ▲ URE-40K-HV (40kW)



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Data Sheet

Model	URE-6k	URE-10k	URE-15k	URE-20k	URE-25k	URE-30k	URE-33k	URE-36k-HV	URE-40k-HV
Energy Source	PV								
Input side									
Max. input power (kW)	6.9	11.5	16.5	23kW	28kW	34kW	46kW	41kW	48kW
Max. input voltage (V)	1000								
Start up input voltage (V)	330			350V					
MPPT voltage range (V)	200-800						200-1000		
Max. input current (A)	15+15	18+18	18+18	18+18+18+18					
Number of MPPT/ Max strings as per MPPT	2/2	2/4	2/4	4/8					
Output side									
Rated output power (KW)	6	10	15	20kW	25kW	30kW	33kW	36kW	40kW
Max. transient power (KW)	6.6	11	15	22	27.5	33	33kW	40	44
Rated AC grid voltage (V)	380/400			380/400V			400V	480V	
AC grid voltage range (V)	313-470 (Adjustable)			304~460V (Adjustable)		304~460V (Adj.)		384~576V (Adj.)	
Operating phase	Three								
Max. AC/Rated output current (A)	10.0/8.7	16.7/14.4	25.1/21.7	28.7A/33.3	36.1A/41.7	43.3A/47.8	47.8/50	43.3A/47.8	48.1A/53
Output power factor	0.8 leading ... 0.8 lagging								
Reactive power control	0.8/0.9/1 Optional								
Total Harmonic Distortion (THD)	< 3%								
DC injection current (mA)	<20	<20	<50	<50mA					
Rated grid frequency (Hz)	50/60								
Grid Frequency (Hz)	47-52 or 57-62								
Efficiency									
Max efficiency	>98.2 %	>98.2%	>98.3%	98.6%	98.6%	98.7%	98.8%		
Euro efficiency	>97.3%	>97.3%	>97.5%	98.3%	98.3%		98.4%		
MPPT efficiency	>99.9%	>99.5%	>99.5%	99.9%					
Protection									
Temperature protection	Yes								
DC reverse polarity protection	Yes								
AC short circuit protection	Yes								
AC output overcurrent protection	Yes								
Output overvoltage protection - Varistor	Yes								
Ground fault monitoring	Yes								
Grid monitoring	Yes								
Islanding protection	Yes								
Integrated DC switch	Optional								
General data									
Size (mm)	430W *613H*269D	430W *613H*269D		530W *700H*356 S.D.					
Weight (KG)	29	29	30	57.2	58.2	58.2kg		58.2kg	
Topology	Transformesless								
Internal consumption	<1W (Night)								
Operating ambient temperature range	-25°C~60°C			-25°C~60°C					
Ingress protection	Ip65								
Noise emission (typical)	<30 dBA								
Cooling concept	Natural convection								
Max. operating altitude without derating	4000m								
Designed lifetime	>20 years								
Utility monitoring	EN50438, G59/3, AS4777, VDE0126-1-1, IEC61727								
Operating surroundings humidity	0~100%								
EMC	IEC62109-1/-2, AS3100, EN61000-6-1, EN61000-6-3								
Features									
DC connection	MC - 4 mateable								
AC connection	Ip67 rated plug								
Display	7.0" LCD color screen display (optional)								
Communication connections	4 pins RS485 connector , 2 RJ45 connector								
Warranty	5-8 Years standard (extended to 20 years)								

*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.

URE Three Phase Grid Tied Inverter

LEADING FEATURES

- ▲ Three phase output
- ▲ Max. efficiency 99%, EU efficiency 98.5%
- ▲ High precise, high speed MPPT algorithm
- ▲ Four MPPT input, each rated current is 28.5A, compatible with high power module
- ▲ Compact and light design for two-person easy installation
- ▲ IP65, visually pleasing for domestic environment
- ▲ THDi < 3%, low harmonic distortion against grid
- ▲ Anti-resonance, single transformer can connect 6M+ in parallel
- ▲ Perfect commercial site monitoring solution
- ▲ Intelligent redundant fan-cooling
- ▲ 5 years standard warranty, 10 years optional upgrade. (Extended Warranty)



Three Phase Inverter



Product Range :-

- ▲ URE 40K
- ▲ URE 50K
- ▲ URE 50K-HV
- ▲ URE 60K-HV
- ▲ URE 70K-HV



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Data Sheet

Model	URE-40K	URE-50K	URE-50K-HV	URE-60K-HV	URE-70K-HV
EnergySource	PV				
Input Side(DC)					
Max. DC input power(kW)	48kW	55kW	60kW	72kW	77W
Max. DC input voltage(V)	1100				
Start-up voltage(V)	200V				
MPPT voltage range(V)	200-1000V				
Max. input current(A)	22A+22A+22A+22A	28.5A+28.5A+28.5A+28.5A	22A+22A+22A+22A	28.5A+28.5A+28.5A+28.5A	
MPPT number/Max input strings number	4/8	4/12	4/8	4/12	
Output Side (AC)					
Rated output power(kW)	40	50	50	60	70
Max. apparent output power(kVA)	44	50	55	66	70
Max. output power(kW)	44	50	55	66	70
Rated grid voltage(V)	380	380	500	500	540
Grid voltage range(V)	304-460	304-460	384-576	384-576	400-648
Rated grid frequency(Hz)	50/60				
Operation phase	Three				
Rated grid output current(A)	58	72.2	57.7	69.3	74.8
Max. output current(A)	66.9	80	66.2	80	80
Power Factor (at rated output power)	0.8 leading ... 0.8 lagging				
THDi (at rated output power)	<3%				
DC injection current(mA)	<50				
Grid frequency range(Hz)	47-52or 57-62				
Efficiency					
Max. efficiency	98.8%	98.8%	99.0%	99.0%	99.0%
EU efficiency	98.4%/98.4%	98.4%/98.4%	98.5%/98.5%	98.5%/98.5%	98.5%/98.5%
MPPTefficiency	99.9%				
Protection					
DC reverse-polarity protection	Yes				
Short circuit protection	Yes				
Output over current protection	Yes				
Output over voltage protection	Yes				
Insulation resistance monitoring	Yes				
Residual current detection	Yes				
Surge protection	Yes				
Islanding protection	Yes				
temperature protection	Yes				
Integrated DC switch	Optional				
General Data					
Dimensions (mm)	630W*700H*357D (mm)				
Weight(kg)	63		68		
Topology	Transformerless				
Self consumption (night)	<1W(Night)				
Operating ambient temperature range	-25°C~60°C				
Ingress protection	IP65				
Noise emission {typical}	<30 dBA	<60 dBA	<30 dBA	<60 dBA	
Cooling concept	Natural convection	Intelligent redundant fan-cooling	Natural convection	Intelligent redundant fan-cooling	
Max.operation altitude	4000m				
Designed lifetime	>20 Years				
Grid connection standard	EN50438, G83/2, AS4777, VDE0126-1-1, IEC61727				
Relative humidity	0~100%				
Safety/EMC standard	IEC62109-1/-2, AS3100, EN61000-6-1, EN61000-6-3				
Features					
DC connection	MC-4 mateable				
AC connection	Terminal connectors				
Display	LCD, 2 x 20 Z.				
Communication connections	4 pins RS485 connector, 2 RJ45 connector, 2 group of terminal block				
Warranty	5 years standard (extend to 20 years)				

*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.

LEADING FEATURES

- ⤴ Max. efficiency. Over 97%
- ⤴ Dual MPPT design with precise MPPT algorithm
- ⤴ Ultra wide input voltage range
- ⤴ Integrated AFCI
- ⤴ Compact and light design for one-person easy installation
- ⤴ Visually pleasing for indoor and outdoor installations
- ⤴ RS 485, WiFi/GPRS (optional) interface, Numerous protection functions for "peace of mind"
- ⤴ Web-based data monitoring
- ⤴ 5 years standard warranty, 10 years optional upgrade (Extended Warranty)
- ⤴ Intelligent Energy management for maximum self-consumption
- ⤴ Battery Capacity can be expanded
- ⤴ Suitable for 48V battery



URE-Hybrid Inverter



Product Range :-

- ⤴ URE-3K-HYB
- ⤴ URE-5K-HYB



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Data Sheet

Model	URE-3K-HYB	URE-5K-HYB
Energy source	PV	
Input DC (PV side)		
Max. input power (kW)	3.5	5.8
Max.DC input voltage(V)	600	
Start-up DC input voltage(V)	120	
MPPT operating range(V)	150-500	
Max. DC input current(A)	10+10	15+15
Number of MPPT/Max strings per MPPT	2/2	
Battery		
Battery Type	Li-ion	
Battery voltage range	42-58V	
Battery Capacity	100-500Ah	
Maximum Charging Power	3000W	
Maximum Charging current	62.5A	
Short circuit protection	electronic, with max. charging current, switch-off < 1 sec.	
Number of Cycles	>4000	
Batteries temperature compensation	included	
Batteries voltage measurement	integrated	
Output AC(Grid side)		
Rated output power(kW)	3 kW	5 kW
Max. input power (kW)	3.30	5.00
Rated AC grid voltage(V)	202/220/240	
AC grid voltage range(V)	180-270	
Operating phase	Single	
Rated AC grid output current(A)	13.0	21.7
Output power factor	>0.99	
Grid current THD	<4%	
DC injection current(mA)	<20	
Rated grid frequency(Hz)	50/60Hz	
Frequency range(Hz)	47-52Hz or 57-62Hz	
Efficiency		
Max. efficiency of Solar Inverter	97%	
European efficiency of solar Inverter	96.5%	
Max. efficiency of Battery Inverting	95%	
Max. efficiency of Battery charging	95%	
Protection device		
Ground fault monitoring	integrate	
Residual current monitoring unit	Integrate	
DC AFCI	Optional	
DC reverse polarity protection	Yes	
Protection class/Over voltage category	I/IV	
General data		
Size	333x565x250mm	
Weight	20kg	25kg
Topology	Transformerless	
Internal consumption	<1W(Night)	
Running temperature	-25°C~60°C	
Protection degree	Ip65	
Noise emission(typical)	<30 dBA	
Cooling concept	Natural convection	
Max. operating altitude without derating	2000m	
Designed lifetime	>20 years	
Safety and EMC standard	UL 1741, UL 1998, UL 1699B, IEEE 1547, FCC Part 15 (Class A & B), CAN/CSA C22.2 107.1-1	
Operating surroundings humidity	0~95%	
Features		
DC Connection	Quick Connection	
AC Connection	Quick Connection	
Display	LCD, 2 × 20 Z	
Interface	CAN/RS 485, WiFi/GPRS (optional)	
Warranty	5~10 years	

URE Micro Inverter



URE- 250-240A Micro Inverter



URE- 300 Micro Inverter



URE- 300X2-240A Micro Inverter



LEADING FEATURES

- ▲ Designed to connect individual PV modules and perform DC to AC conversion
- ▲ Globally certified for c-ETL-us, SAA, TUV, VDE-AR-N 4105, VDE 0126, G83/2
- ▲ Very simple installation with built-in cables and connectors
- ▲ NEMA-6 enclosure rating
- ▲ NEMA-6/IP/IP-66/IP-67 enclosure rating.
- ▲ Integrated monitoring and power line communication with BDG-256 gateway.
- ▲ Integrated grounding for easy installation.

Product Range :-

- ▲ URE-M250 (220Wp)
- ▲ URE-M300 (250Wp)
- ▲ URE-M300 x 2 (300 x 2 Wp)



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	MODEL	URE-250-240A	URE-250-208A	URE-250-EU URE-250-AU	URE-300	URE-300X2	
INPUT(DC)	Max Recommended PV Power (Wp)	285			300	300X2	
	Max DC Open Circuit Voltage (Vdc)	60					
	Max DC Input Current (Adc)	12					
	MPPT Tracking Accuracy	>99.5%					
	MPPT Tracking Range (Vdc)	22-55					
	Isc PV (absolute maximum) (Adc)	14			14	14X2	
	Maximum Inverter Backfeed Current to the Array (Adc)	0					
OUTPUT(AC)	Rated AC Output Power (Wp)	220			250	500	
	Nominal Power Grid Voltage (Vac)	240	208	230	240	208 230	
	Allowable Power Grid Voltage (Vac)	211-264*	183-229*	Configurable*	211-264*	183-229* Config*	
	Allowable Power Grid Frequency (Hz)	59.3-60.5*		Configurable*	59.3-60.5* Config*		
	THD	<3% (at rated power)					
	Power Factor (cos phi, fixed)	>0.99%			>0.99% at rated power		
	Rated Output Current (Aac)	0.92	1.06	0.96	1.04	1.20 1.09 2.08 2.40 2.17	
	Current (inrush) (Peak and Duration)	12A, 15us					
	Nominal Frequency (Hz)	60		50	60	50 60 50	
	Maximum Output Fault Current (Aac)	2.2A peak			2.2A peak	4.4A peak	
	Maximum Output Overcurrent Protection (Aac)	6.3			6.3	10	
	Max. Number of Units Per Branch (20A/15A circuit)	13	11	12	15/11	13/11 14/11 7/5 6/5 7/5	
	SYSTEM EFFICIENCY	Weighted Averaged Efficiency (CEC)	95%			95.5%	95.5%
Night Time Tare Loss (Wp)		0.17					
PROTECTION FUNCTIONS	Over/Under Voltage Protection	Yes					
	Over/Under Frequency Protection	Yes					
	Anti-Islanding Protection	Yes					
	Over Current Protection	Yes					
	Reverse DC Polarity Protection	Yes					
	Overload Protection	Yes					
	Protection Degree	NEMA-6 /IP-66/IP-67					
	Environment Temperature -	-40C—+65C					
	Display	LED LIGHT					
	Communications	Power Line					
	Dimension (W-H-D mm)	230*138*35			180*186*25	277*132*50	
	Weight (Kg)	2.0			1.5	2.9	
	Environment Category	Indoor and outdoor					
	Wet Location	SUITABLE					
	Pollution Degree	PD 3					
	Maximum Altitude	2000 M					
	Overvoltage Category	II(PV), III (AC MAINS)					
Product Safety Compliance	UL 1741 CSA C22.2 No. 107.1		IEC/EN 62109-1 IEC/EN 62109-2	California Rule 21 Certified UL 1741 CS C22 C22.2 No. 107.1	IEC/EN 62109-1 IEC/EN 62109-2		
Grid Code Compliance* (Refer to the label for the detailed grid code compliance)	IEEE 1547		VDE-AR-N 4105* VDE V 0126-1-1/A1 G83/2 AS 4777.2 & AS 4777.3,EN 50438	VDE -AR-N 4150* VDE V 0126-1-1/A1 G83/2, CEI 021 AS 4777.2 & AS	VDE-AR-N 4105* VDE V 0126-1-1/A1 G83/2 AS 4777.2 & AS 4777.3,EN 50438		
	<input type="checkbox"/> Grid parameters are configurable through a BDG-256 or BDG-256P3 gateway Compliance <input type="checkbox"/> NEC 2014 Section 690.11 DC Arc-Fault Circuit Protection <input type="checkbox"/> NEC 2014 Section 690.12 Rapid Shutdown of PV Systems on Buildings <input type="checkbox"/> NEC 2014 Section 705.12 Point of Connection (AC Arc-Fault Protection)						



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