





HYBRID INVERTER


UREnergy[®]
USA | UK | AFRICA | DUBAI | INDIA | CHINA | AUSTRALIA

ENERGY for All



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U R Energy started its journey in the solar industry since 2009 and within 8 years achieved a market leading position servicing 71,264+ residential and commercial customers across the world wide solar market. The company procures, develops and installs solar power systems at economic prices for residential, commercial, industries and utility scale customers.

Quality is in the main focus of our business as the company has invested heavily in technology to provide consumers a pleasurable experience of solar adoption through dedicated call centers, live chat based support, and many more for online / application-based live tracking of energy production, customer requests, so that consumers After-sales service can be provided immediately. UR Energy is ISO 9001, ISO 14001 and OHSAS 18001 accredited company, and supplies high-quality inverter, tier 1 panel brand.



ABOUT URE

CHAIRMAN'S MESSAGE



CA VISHNU PATEL

Today generation and utilization of renewable energy is at the center of attention. Governments worldwide have realized the importance of moving away from fossil fuel to clean and green energy in order to provide a safe future to the generations to come. Solar Energy is the key in achieving this objective, as it is a choice available for everyone from a small time farmer in a remote location to mega-scale industries. UR Energy commenced its business with a single objective of accelerating the adoption and growth of solar power systems across the world, not only for its obvious environmental benefits but more importantly the economic benefits to its clients.

We at UR Energy have invested heavily in technology to provide our customers with an exhilarating experience of adopting solar through online/App based live tracking of energy generation, dedicated call center to attend to customer requests, live chat based support and many more.

We have to our credit solar installations of over 250 MW and a customer's base of 71,264 clients - domestic, retail and industries, across the globe. Our quality supplies, economical price structure, convenient payment modes, timely delivery and best in industry customer support are the key to our success.

MISSION

Envisioning ENERGY FOR ALL – as our prime motto and quality as our business USP, Our efforts in mainstreaming solar is to become a World leader and a Rooftop Solar (RTS) Company of Choice executing and operating our projects efficiently and maintaining the highest standards of quality, safety and environmental sustainability.

VISION

Our Vision is to provide high quality and cost effective sustainable-clean energy solutions across all markets sectors, thereby improving quality of present and future human life.

GOALS

U R Energy is committed to increase the renewable power capacities UR Energy is striving to meet a target of 100 megawatts to be a market leader grid-connected solar PV rooftop share of India.



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



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			



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