







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.



# **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.

#### MI55ION

Envisioning ENERGY FOR ALL — as our prime motto and quality as our business USP, Our efforts in main streaming 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.

# VISION MISSION GOALS

## **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 roof top share of India.

# **URE-Hybrid Inverter**

# **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**
- A 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		V	
Input DC (PV side)			
Max. input power (kW)	3.5	5.8	
Max.DC input voltage(V)		00	
Start-up DC input voltage(V)		20	
MPPT operating range(V)		-500	
	10+10	15+15	
Max. DC input current(A)			
Number of MPPT/Max strings per MPPT	2,	/2	
Battery	1:		
Battery Type	Li-ion 42-58V		
Battery voltage range 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		
	integrated		
Batteries voltage measurement  Output AC(Grid side)	Integ	Tatou	
Rated output power(kW)	3 kW	5 kW	
	3.30	5.00	
Max. input power (kW)			
Rated AC grid voltage(V)	202/220/240		
AC grid voltage range(V)	180-270		
Operating phase		gle T	
Rated AC grid output current(A)	13.0	21.7	
Output power factor		.99	
Grid current THD	<4%		
DC injection current(mA)	<20		
Rated grid frequency(Hz)	50/60Hz		
Frequency range(Hz)	47-52Hz c	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	<u>'</u>	··	
Size	222456	5x250mm	
Weight	20kg	25kg	
Topology	-	rmerless	
Internal consumption			
<u> </u>	<1W(Night)		
Running temperature	-25°C~60°C		
Protection degree	lp65		
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		
10.0			
AC Connection	Quick Co	onnection	
Display	Quick Co LCD, 2	× 20 Z	
	Quick Co LCD, 2 CAN/RS 485, WiFi/O	× 20 Z	

www.urenergyglobal.com



**Energy for All** 





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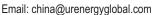


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<sup>\*</sup>All products and services described as well as technical data are subject to change at any time without notice due to continuous development of UR Energy Products even for reasons of country-specific deviations.