

# ON THE NATIONAL MISSION OF **MADE IN INDIA**



We are committed to deliver world class energy solutions in a safe, reliable, efficient and environmentally sound manner.



**Providing Indigenous  
Green Energy Solutions**



**India's First Lithium  
Battery Manufacturing Unit**



**We Believe  
Renewable is the Future**



# On Grid Inverter

## with inbuilt Lithium Battery

🌱 AC to AC & DC

🌱 Low Distortion  $\leq 3\%$

🌱 Modified Sine Wave Inverter

Lithium powered on grid Inverters, Suitable to operate all electrical & electronic goods, devices and lighting in both indoor and outdoor conditions.

Light weight, portable and easy to carry anywhere

### SALIENT FEATURES

- ⚡ Can operate all AC devices
- ⚡ Highly efficient
- ⚡ Can connect to multiple loads
- ⚡ No EMI interference
- ⚡ Easy to install, operate and maintain
- ⚡ Extendable backup

### PROTECTION

- ⚡ Over temperature
- ⚡ Over voltage, current and load
- ⚡ Reverse polarity
- ⚡ Low voltage & low battery indication



### TECHNICAL SPECIFICATIONS

S. No	Description	Parameter	Unit	Model		
				U1008	U1015	U1030
1	Output Power	Power	VA	1000	1750	3500
2	Battery Input Protect	Power	Kw	1 to 2.5		1 to 4
		Fuse	Type	35A*4		
		Low Voltage Alarm	V	11.1		
		Low Voltage Shut Down		10.7		
High Voltage Protect	14.7					
3	Output	Sine Waveform		Modified sine wave (THD<3%)		
		Frequency	Hz	50 or $\pm 0.5$		
		Voltage	Vac	220		
		USB Port		5 V, 2.1 A		
4	Input	Nominal	Vdc	12.8		
		Charging Voltage	V	11~14.4		
		Battery Type		Lithium batteries		
		Idle Current Consumption	A	$\leq 0.3$		
		Shut Down Mode Current	mA	$\leq 20$		
5	Output Protect	Max Efficient (Typ.)	%	$\geq 90$		
		Over Temp (Max.)	$^{\circ}\text{C}$	75 $\pm$ 5		
		Short Circuit Indicator		Red & Green light flash, repeated switch output, recover output when reduce overload		
6	Charging Input	Over Load (Typ.) Indication		Red light on ,self lock, recover normal output after short circuit canceled		
		Frequency	Hz	50 or 60		
		Voltage	Vac	220		
7	Charging Output	Full Load Efficiency	%	$\geq 80$		
		Charging Method, Indicator		Current charging current 15A, (Orange)		
				Stable charging voltage (Orange)		
8	Switch			Full Charging voltage (Green)		
		Delay Time	mS	$\leq 20$		
9	Environment	Working Temperature	$^{\circ}\text{C}$	0-40		
		Working Humidity	% RH	10~90		
		Storage Temperature, Humidity	$^{\circ}\text{C}$ , % RH	20 $^{\circ}\text{C}$ ~60, 5-95		

Note

1. Unless otherwise specified, all specifications are measured at 25  $^{\circ}\text{C}$  ambient temperature.

2. All Models are compatible with LiFePO4



The future lies with  
**Future Hi-Tech**

We are certified for the essential parameters of the industry which includes:

ISO 9001 | ISO 14001 | ISO 18001 |  RoHS | CE | FCC

Further product qualify and some are certified :  
AIS / R-10 / R-100 / UN38.3 / UNR136 / UL2271 /  
UL2054 / UL2580

## Future Hi-Tech Batteries Ltd.



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