

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		
				UI008	UI015	UI030
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 ±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	≤0.3		
		Shut Down Mode Current	mA	≤20		
		Max Efficient (Typ.)	%	≥90		
5	Output Protect	Over Temp (Max.)	℃	75±5		
		Short Circuit Indicator	Red & Green light flash, repeated switch output,recover output when reduce overload			
		Over Load (Typ.) Indication	Red light on ,self lock,recover normal output after short circuit canceled			
6	Charging Input	Frequency	Hz	50 or 60		
		Voltage	Vac	220		
		Full Load Efficiency	%	≥80		
7	Charging Output	Charging Method, Indicator		Current charging current 15A, (Orange)		
				Stable charging voltage (Orange)		
				Full Charging voltage (Green)		
8	Switch	Delay Time	mS	≤20		
9	Environment	Working Temperature	℃	0-40		
		Working Humidity	% RH	10~90		
		Storage Temperature, Humidity	℃, % RH	20℃~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



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MNRE Channel Partner

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