innovative energies

IEPM-...LC

800-8000W True Sine Wave Inverter Charger

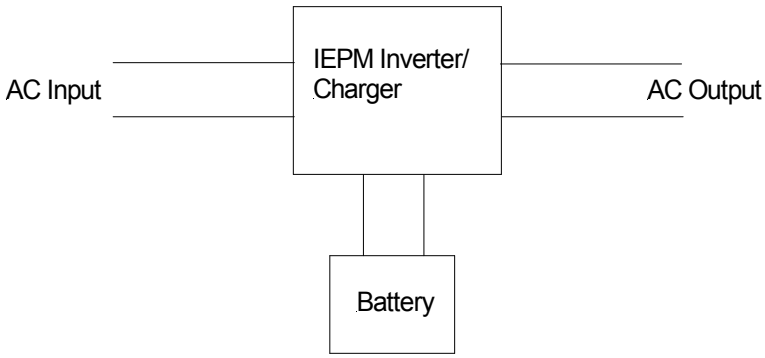
FEATURES

- **LCD display**
- **Multistage charger**
- **Fast Action AC Synchronized Transfer Switch**
- **Microprocessor based design**
- **Heat-Sink built in internal**
- **Soft Start**
- **AVR design**
- **Input & Output isolated**
- **Auto temperature control fan**
- **Reverse polarity protection /by fuse diode**
- **Output short circuit protection**
- **Temperature protection**
- **Overload protection**
- **Input low voltage protection**
- **Input high voltage protection**
- **Low battery alarm**
- **Low battery shut-down**

SPECIFICATIONS All specifications are typical at nominal input, full load and at 20°C unless otherwise stated.

Description

The IEPM Inverter/Charger provides a stable AC output. Input power is from the AC input source or from external batteries. There is an internal battery charger which operates when AC Input power is present.



Model No.	IEPM-0800LC	IEPM-1600LC	IEPM-2400LC	IEPM-40000LC	IEPM-6000LC	IEPM-8000LC
Output Power (W)	800	1600	2400	4000	6000	8000
Max. Surge Power (W)	1600	3200	4800	8000	12000	16000
1. Input Section						
Input Nominal Voltage	110V or 220Vac					220Vac
Input Voltage Range	60V~135Vac or 120V~275Vac					120~275Vac
Line Low Transfer	60Vac ± 2% or 120Vac ± 2%					120Vac ± 2%
Line Low Return	65Vac ± 2% or 130Vac ± 2%					130Vac ± 2%
Line High Transfer	135Vac ± 2% or 275Vac ± 2%					275Vac ± 2%
Line High Return	130Vac ± 2% or 260Vac ± 2%					260Vac ± 2%
Input Frequency	50Hz / 60Hz (45Hz~70Hz)					

800-8000W Inverter Charger
True Sine Wave

IEPM-...LC

Model No.	IEPM-0800LC	IEPM-1600LC	IEPM-2400LC	IEPM-40000LC	IEPM-6000LC	IEPM-8000LC
2. Output Section						
Output Voltage	110Vac / 115Vac / 120Vac ***or*** 220Vac / 230Vac / 240Vac (re-settable via LCD panel)					
Waveform	Pure Sine Wave					
Voltage Regulation (Batt. Mode)	< 3% RMS for entire battery voltage range					
Output Frequency	50Hz or 60Hz ± 0.1Hz					
Efficiency	>75%	>80%				
Maximum Load	Up to short circuit					
Asymmetrical Load	Up to nominal output power					
Overload and Short Circuit Protection	Automatic disconnection					
Overheating Temperature Protection	Acoustic warning before shut-off. Automatic restart					
Power Factor	0.8				1.0	
3. Battery Section						
Voltage Range	12VDC (10~16VDC)	24VDC (20~32VDC)			48VDC (42~62VDC)	
Backup Time	Depends on load					
Input Frequency Range	45~70Hz					
Max. Charging Current (5 steps selectable)	>40A	> 50Amp		>40A	>60A	
4. Display						
LCD Display	UPS status, I/P&O/P Voltage Frequency, Load%, Battery Voltage & %, Temperature, Model					
LED Display	Normal (Green), Warning (Yellow), Fault (Red)					
5. Audible Alarm						
Battery Mode	Beeping every 4 seconds					
Low Battery	Beeping every second					
Overload	Beeping twice per second					
Temperature Compensation (Option)	3mV / °C cell					
6. General Data						
AC By Pass Time (UPS Mode)	< 8 ms.					
Operation Temperature	-20 °C to +55 °C					
Audible Noise	Less than 55dBA (at 1M)					
Relative Humidity	0-95% non-condensing					
Dimensions (L x W x H mm)	435 × 297 ×157	485 × 297 ×198	485 × 297 ×198	415 × 260×600	415 × 260×600	415 × 260×600
Weight (Kg)	16	24.2	26	66.6	66.6	66.6