

## HOME UPS / INVERTER

# OZ-1



**Range Available : 850VA to 10KVA**

### Core Features:

- ▲ State of Art highly efficient and high switching speed MOSFET based PWM Technology.
- ▲ Single PCB concept based design for pure sine wave, LCD and LED Display.
- ▲ Powerful Charging even during very low Voltage.
- ▲ Completely Noiseless Operation.
- ▲ Precise Auto Thermal management and protection.
- ▲ Fastest protection (Almost all) to make rugged and enhance product life.
- ▲ Advance and reliable software to incorporate and interface Grid-UPS Features.
- ▲ Intelligently Controlled Smart and PFC Charger to save electricity bill and money.
- ▲ Long Backup with being a pure sine wave output.
- ▲ 5-stage Smart Charging profile with Auto charge Equalization to enhance Battery life.
- ▲ User Selectable switches to select choice of operation.
- ▲ Pure sine wave Output even at full load.
- ▲ Ver Low maintenance and easy installation.
- ▲ All Parts and Components are Genuine make.
- ▲ Dual display LCD & LED.

## Technical Specification

### Home UPS

System Rating	500VA to 1500VA	1500VA to 2.5KVA	3KVA, 4KVA, 5KVA	5KVA, 6KVA	5KVA, 6KVA, 7.5KVA	7.5KVA, 10KVA	10KVA	10KVA
Battery voltage	12V	24V	48V	72V	96V	120V	144V	180V
Rated Input voltage	Normal mode Range: 100V ~ 280V UPS Mode Range: 170V ~ 260V							
Rated Output Voltage on mains	Same as Input							
Load Power Factor	0.8PF							
<b>Output Parameter</b>								
Rated Output Voltage on UPS Mode	230V ± 10V							
Output Frequency on UPS Mode	50Hz ± 0.1Hz							
Output Waveform on UPS Mode	Pure Sine Wave							
Overload	Above 110%							
Short Circuit	>300% Load (Few msec.)							
<b>Voltage Limit UPS Mode</b>								
Mains Low Cut	170V ± 10V							
Mains Low Cut Recovery	180V ± 10V							
Mains High Cut	260V ± 10V							
Mains High Cut Recovery	250V ± 10V							
<b>Voltage Limit Normal Mode</b>								
Mains Low Cut	100V ± 10V							
Mains Low Cut Recovery	110V ± 10V							
Mains High Cut	280V ± 10V							
High Cut Recovery	270V ± 10V							
<b>Protections</b>								
Short Circuit, Battery Overvoltage, Battery Lowvoltage Battery Deep Discharge, Over Temperature (Auto Recovery)								
<b>Alarm &amp; Indication</b>								
Overload, Low Battery, Over Temperature, Battery Over voltage.								
<b>LCD Display</b>								
16 X 2 LCD 20 X 2 LCD	Mains Voltage, Output Voltage, Battery Charging, Battery Charged and all Faults							
<b>LED Indications</b>								
Mains On, Charging On, UPS On, Battery Low, Overload								
<b>Battery Charging</b>								
Mains Disconnect Voltage TUB. Mode	14.4V ± 0.2V	28.8V ± 0.4V	57.6V ± 0.6V	86.4V ± 0.8V	115.2V ± 1V	144V ± 1V	172.8V ± 1V	216V ± 2V
Mains Reconnect Voltage TUB. Mode	11.8V ± 0.2V	23.6V ± 0.4V	47.2V ± 0.6V	70.8V ± 0.8V	94.4V ± 1V	118V ± 1V	141.6V ± 1V	177V ± 2V
Mains Disconnect Voltage STD. Mode	14.0V ± 0.2V	28.0V ± 0.4V	56.0V ± 0.6V	84.0V ± 0.8V	112.0V ± 1V	140V ± 1V	168V ± 1V	210V ± 2V
Mains Reconnect Voltage STD. Mode	11.8V ± 0.2V	23.6V ± 0.4V	47.2V ± 0.6V	70.8V ± 0.8V	94.4V ± 1V	118V ± 1V	141.6V ± 1V	177V ± 2V
Battery Boost Voltage High Mode	14.4V ± 0.2V	28.4V ± 0.4V	57.6V ± 0.6V	86.4V ± 0.8V	115.2V ± 1V	144V ± 1V	172.8V ± 1V	216V ± 2V
Battery Float Voltage High Mode	13.8V ± 0.2V	27.6V ± 0.4V	55.2V ± 0.6V	82.8V ± 0.8V	110.4V ± 1V	138V ± 1V	165.6V ± 1V	207V ± 2V
Battery Boost Voltage STD. Mode	14.0V ± 0.2V	28.0V ± 0.4V	56.0V ± 0.6V	84.0V ± 0.8V	112.0V ± 1V	140V ± 1V	168V ± 1V	210V ± 2V
Battery Float Voltage STD. Mode	13.4V ± 0.2V	26.8V ± 0.4V	53.6V ± 0.6V	80.4V ± 0.8V	107.2V ± 1V	134V ± 1V	160.8V ± 1V	201.6V ± 2V
Charging Current	15A ± 2A	15A ± 2A	15A ± 2A	15A ± 2A	15A ± 2A	15A ± 2A	15A ± 2A	15A ± 2A
Recommended Battery Capacity	100Ah - 200Ah	100Ah - 200Ah	100Ah - 200Ah	100Ah - 200Ah	100Ah - 200Ah	100Ah - 200Ah	100Ah - 200Ah	100Ah - 200Ah
Number of Batteries	1	2	4	6	8	10	12	15
Charger	Power factor controlled Boost technology							
<b>Technology</b>								
Digital Signal Processor (DSP) Based state-of-the-art technology.								
<b>Environment</b>								
Storage Temperature	0-60°C							
Operating Temperature	0-50°C							
Humidity	90% Non-Condensing							