



MERCURY UPS

for modern day living



FRONT DETAILS

Home UPS **MI1000 & MI1600**



Features

- DSP technology for fast & smooth charging
- Auto sense intelligent charging (ASIC) adjustment
- Highly robust & reliable Ideal for computer
- User selectable charging current
- Generator compatible
- Wide charging voltage range
- Home appliance friendly
- Environment friendly
- Battery Management
- Negligible battery water loss
- Compact design

Alarm & Indicators

- Low Battery Warning
- Overload Warning
- Main fuse blown protection
- Over Temperature protection
- Short circuit protection
- Backup on indicator
- Charging/ Charged Indicator

FRONT DETAILS

Home UPS **MI3500 & Above**



Faults & Protection

- Main Fuse Blown/
Mains MCB Trip
- Overload
- Low Battery
- Short Circuit
- Over Temperature

TECHNICAL SPECIFICATIONS



Model	MI 1000	MI 1600	MI 3500	MI 5000	MI 7500	MI 10000
Voltage Range	180 VAC - 265 VAC \pm 5 VAC (UPS Mode)					
	100 VAC - 280 VAC \pm 15 VAC (NOR Mode)					
Line Low Detection	180V \pm 5V (UPS Mode) / 100V \pm 15V (NOR Mode)					
Line Low Comeback	190V \pm 5V (UPS Mode) / 110V \pm 10V (NOR Mode)					
Line High Detection	265V \pm 5V (UPS Mode) / 280V \pm 15V (NOR Mode)					
Line High Comeback	255V \pm 5V (UPS Mode) / 270V \pm 10V (NOR Mode)					
Frequency Transfer	Input Frequency 45-55 Hz					
Characterstics (AC)						
Inverter Full Load Power	640 W	1200 W	2800 W	4000 W	6000 W	8000 W
On-Line Mode	Sine Wave					
Battery Mode	Sine Wave					
On-Line Output voltage	Follow the Line Voltage					
Battery Mode Output Voltage	200 VAC \pm 10%					
Transfer Time (No-Load)	< 15 ms					
Frequecnny at Battery Mode	50 Hz \pm 1 Hz					
Characterstics (DC)						
DC Supply Voltage	12 V	24 V	48 V		120 V	
Battery Floating Charge Voltage	13.5 VDC \pm 0.2 VDC	27.0 VDC \pm 0.4 VDC	54.0 VDC \pm 0.8 VDC		135.0 VDC \pm 2.0 VDC	
Charge Current	< 15 A					
Battery Voltage Low Alarm	10.6 VDC \pm 0.2 VDC	21.2 VDC \pm 0.4 VDC	42.4 VDC \pm 0.8 VDC		106.0 VDC \pm 2.0 VDC	
Battery Discharge Protection	10.4 VDC \pm 0.2 VDC	20.8 VDC \pm 0.4 VDC	41.6 VDC \pm 0.4 VDC		104.0 VDC \pm 2.0 VDC	
Over Charge Protection	> 15 VDC \pm 0.2 VDC	> 30 VDC \pm 0.4 VDC	> 60 VDC \pm 0.8 VDC		> 150.0 VDC \pm 2.0 VDC	

** If Battery Selection Switch Available then Boost Voltage (Per Battery):
14.5 VDC \pm 0.2 VDC in TT Mode, 14.2 VDC \pm 0.2 VDC in FT Mode

Float Voltage (Per Battery):
13.8 VDC \pm 0.2 VDC in TT Mode, 13.5 VDC \pm 0.2 VDC in FT Mode

*** Battery Selection Switch settings will come in effect only after
the Battery Reset of the UPS

* Specifications are subject to change without prior notice