

Smart Line Interactive UPS

MT Series-400VA to 3200VA

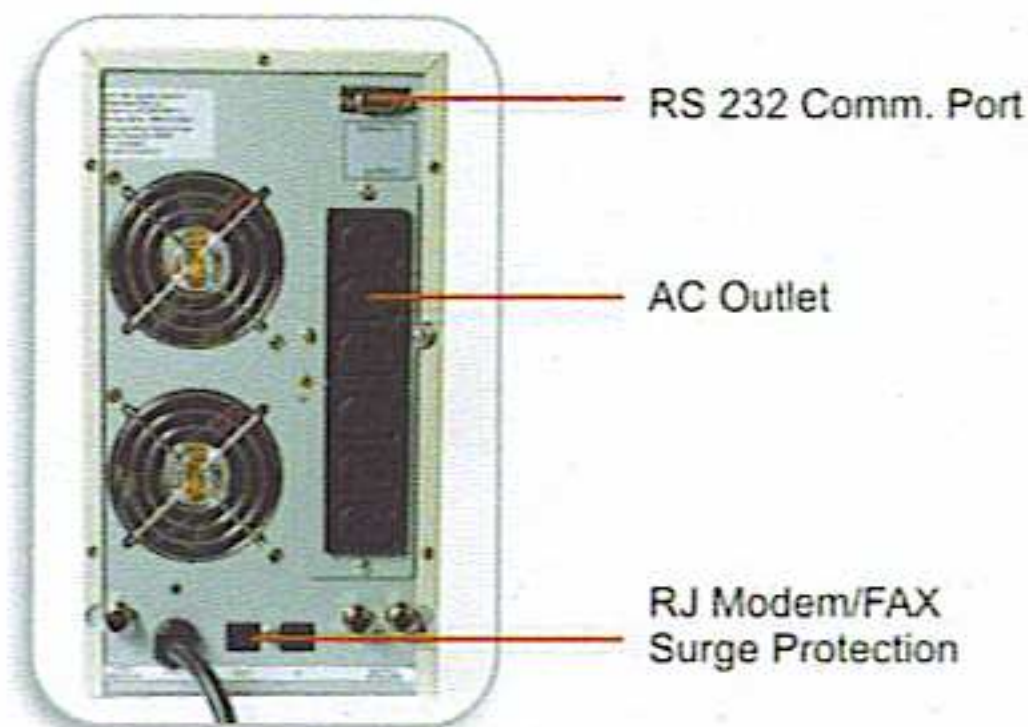
The "MT" serie UPS is an advanced true sine wave line-interactive uninterruptible power system which is designed to prevent any spike, sags and blackout from reaching your sensitive equipments, ranging from computers and tele-communication systems to computerized instruments. Under normal power condition, the UPS filters out all small fluctuations. During electrical power failure, the unit employs its internal maintenance-free batteries to supply back-up power without any interruption. The UPS is equipped with any features which make both your equipments and UPS operation more reliable.

MT Series



- **Line Interactive Charger and Bi-directional Inverter**
The highest performance for protection of frequent brownout
- **Microprocessor Based Design**
Digital UPS control and automatic 50/60Hz frequency select
- **Pure Sine Wave form Output**
The cleanest, most compatible AC output for computer systems
- **Automatic Voltage Regulation(AVR)**
Provides stable power and true brownout & over voltage correction
- **Intelligent Boost and Buck**
Additional protection over an extended AC voltage window
- **Battery Diagnosis**
Self testing for limiting operation, assuring quality and longer life of battery
- **RS232 Communication**
Compatible for sophisticated monitoring software

MT Back View



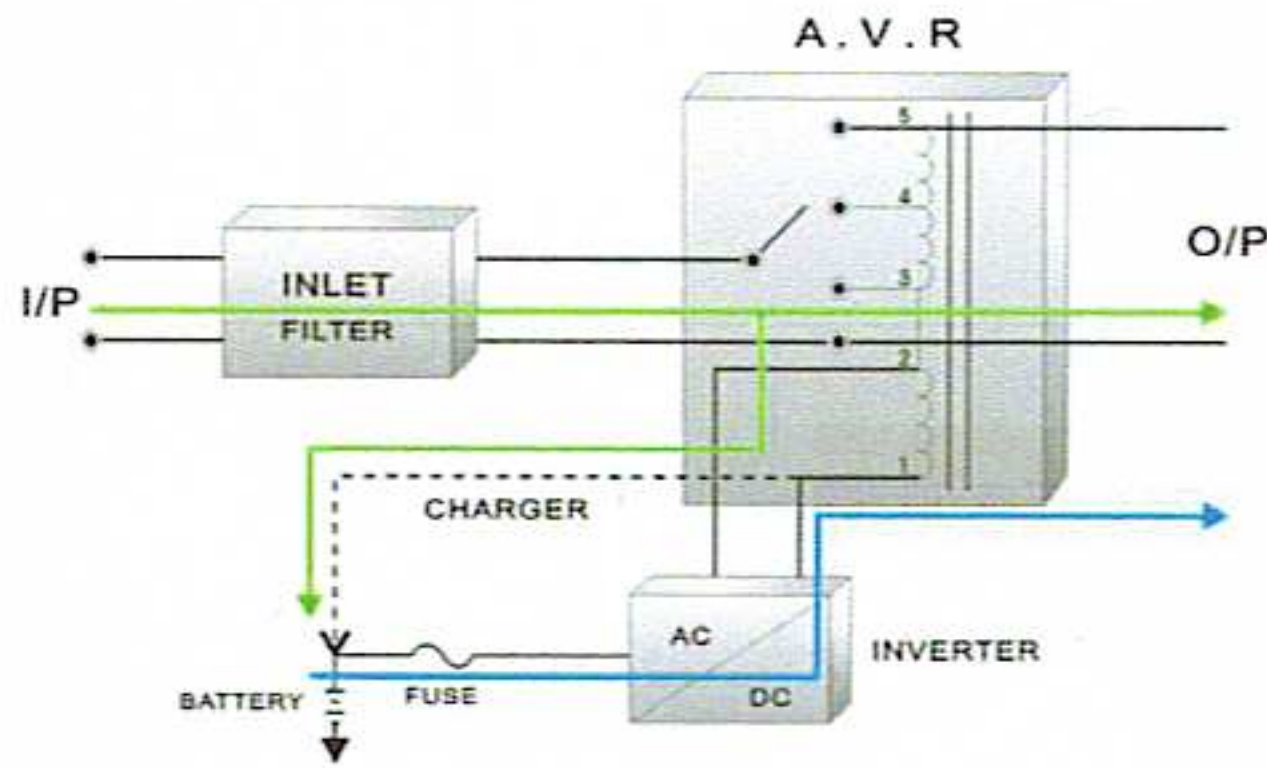
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www.dc-ac-power-inverters.co.za
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Smart Line Interactive UPS

SYSTEM BLOCK DIAGRAM



SPECIFICATIONS

Model	Line Interactive	MT400	MT600	MT700	MT1000	MT1400	MT1500	MT2000	MT2500	MT3200	
Output	VA Rating	400VA	600VA	700VA	1000VA	1400VA	1500VA	2000VA	2500VA	3200VA	
	Wattage	260W	400W	470W	670W	950W	1000W	1200W	1500W	2000W	
	Current(100V/115V/230V)	4A/3.5A/1.7A	6A/5.2A/2.6A	-/-/3A	10A/8.7A/4.3A	14A/12.1A/6A	-/-/6.5A	-/-/8.7A	-/-/10.9A	-/-/13.9A	
	Voltage (Back up)	100V/115V/230V±6V						230V±6V			
	Frequency	50/60Hz Auto select									
Input	Wave form	Pure Sinewave									
	Voltage (100V/115V/230V)	78V-127V/88V-141V/171V-278V									
	Frequency	45-65Hz Auto Select									
	Boost	Yes									
Runtime	Buck	Yes									
	Full Load	12min.	8min.	8min.	5min.						
	Typical	5msec.	5msec.	5msec.	5msec.						
	DC Voltage	24VDC	24VDC	24VDC	36VDC	48VDC	48VDC	60VDC	36VDC * 2sets	48VDC * 2sets	
Battery	Type (Lead acid maintenance free)	12V/7AH									
	Recharge Time	8 hours									
	Test	Auto or Test Key									
Efficiency	AC to AC	>95%									
Audible Noise	At one meter	<45dBA									
LED Display	UPS Status	LINE, BAT, AVR, BAT-WEAK/LOW BAT									
	Load Status	20%, 50%, 100%, OVER-LOAD/FAULT									
Audible Alarm		Yes									
Auto Restart		Yes									
DC Start-up		Yes									
Protection	Overload	Yes									
	Over Voltage	Yes									
Approved	EMC/LVD(230V,50Hz)	EN50091-2/EN50091-1									
	C-TICK(240V,50Hz)	AS-NZS 3548									
	Safety	TUV GS Mark, EN50091-1-1, UL 1778,UL,KETI									
	USA FCC(120V,60Hz)	FCC PART 15									
	CNS BSM(110V,60Hz)	CNS 13438									
Computer Interface	IMMUNITY (120V/110V/100V/50/60Hz)	IEEE 587 CLASS A									
	RS232/LAN Interface	Mains fail, battery Low and remote shutdown UPS/RS232 communication									
Mechanical	Dimensions(WxHxD)(mm)	120x160x360	120x160x360	120x160x360	160x200x450	160x200x450	160x200x450	160x200x450	160x290x530		
	Weight w /Battery(kg)N.W./G.W.	13.3/14.5	13.3/14.5	13.3/14.5	19.5/21.5	22.6/24.6	22.6/24.6	26.2/28.7	36.2/38.4	42.7/44.8	
Environment	Temperature	0°C-40°C									
	Humidity	0-95% Non-Condensing									

Specifications are subject to change without notice.