

Online UPS



ML11 series (1 KVA to 10 KVA)

Features & Benefits

- ▶ High frequency and dual conversion on-line technology
- ▶ Wide input voltage range
- ▶ Advanced PFC technology
- ▶ True sine wave output with less than 3% THD
- ▶ Self-diagnosis at UPS startup
- ▶ Advanced Battery Management (ABM)
- ▶ Cold start feature (DC power on)
- ▶ Automatically charging batteries in UPS off mode
- ▶ Lightning and surge protections
- ▶ Fan speed automatically changes
- ▶ EMI / RFI noise filter
- ▶ RS232 (SNMP optional)
- ▶ Shutdown & restart schedule
- ▶ Digital Control Technology
- ▶ High Efficiency



Technical Specifications – ML 11 Series

Capacity	1 KVA	2 KVA	3 KVA	5 KVA	6 KVA	7.5 KVA	10 KVA
Input							
Voltage Range	160V to 270V AC						
Frequency Range	46 to 54 Hz						
Power Factor	> 0.99						
Inverter / Output							
Voltage	230 V AC Single Phase $\pm 1\%$						
Frequency	50 Hz $\pm 1\%$						
Distortion	$\leq 2\%$ for 100% Linear load, $\leq 5\%$ for 100% Non Linear load						
Waveform	True Sine Wave						
Overall Efficiency	$\geq 90\%$						
Crest Factor	3:1						
Overload Capacity	125% of rated load for 1min, 150% of rated load for 30 sec						
Short Circuit	UPS output turn off and alarm						
Battery							
Model	12 V Sealed lead acid maintenance free						
Voltage	36 V DC	72 / 96 V DC	240 V DC				
Recharge Time	8-10 Hrs from fully discharged condition to 100 % charged condition						
DC Bus Ripple	<1%						
Others							
Communication Port	RS 232; SNMP (Optional) & Auto shutdown facility compatible in Linux/Windows NT/2000/XP/Vista						
User Friendly MIMIC	UPS Status, Battery Level, Load Level, Fault LiProtection						
Over/Under Voltage at I/P Short Circuit & Overload Lightning / Surge	LED/LCD Display					Utility,	
Inverter, Bypass, Battery %, load %, Frequency, UPS fault	Audible Alarm					Utility failure, Beep/4s;	
Battery low, Beep/1s; UPS fault, Continuous Alarm	UPS Abnormal					Continuous	
Beep and Red LED on	Noise Level					<50 db at full load from 1m distance Ambient	
Temperature	<40°C Humidity						
10 % - 90 % (Non Condensing)	Cold Start Facility					Available	
Weight (Kg)	14	21	26	32	38	48	60
Dimensions (L x W x H) in mm							
	435 x 145 x 240	545 x 210 x 355		755 x 270 x 730			

All specifications are subject to change Custom models available on request

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