



# Microtek

Server and Network Power Solutions

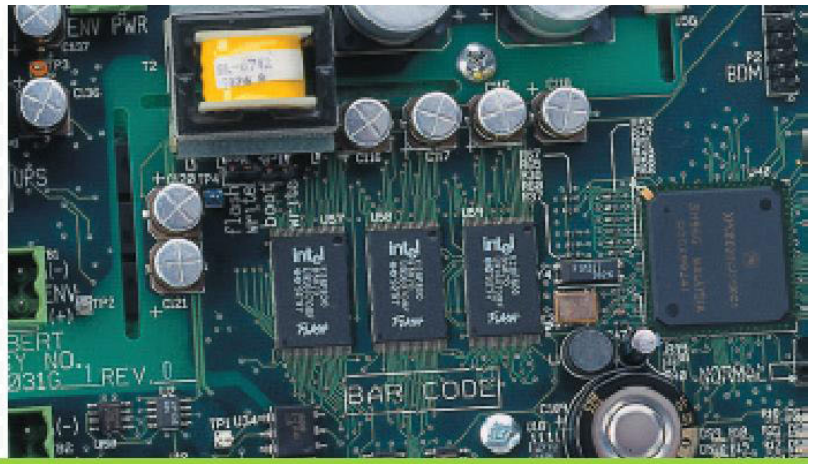
## Smart-UPS



## 10KVA-200KVA TRUE ONLINE DOUBLE CONVERSION UPS

- True Online Double Conversion Technology
- High End Micro Controller
- Automatic Battery Charging in UPS Off Mobile
- Wide Input Voltage Range
- Advanced Battery Management
- Short Circuit and Overload Protection
- Parallel Redundant/Hot Standby (optional)
- Galvanic Isolation
- 1 Phase in - 1 Phase out (upto 10KVA)
- 3 Phase in - 1 Phase out (upto 30KVA)
- 3 Phase in - 3 Phase out (upto 300KVA)
- Specially Designed to Suit Indian Power and Environmental Conditions

## General Specifications



### TECHNICAL SPECIFICATIONS FOR ONLINE UPS 3Ph to 3Ph -

Model	Microtek Smart UPS
Rating	10KVA-100KVA
AC INPUT	415V + 15% -20% Three Phase Input
Frequency	50Hz $\pm$ 6%
DC VOLTAGE:	360 VDC
Charging Time	12 Hours for 90% of full Capacity
Charger Type	CVCC Internal Controlled Rectifier type
<b>INVERTER:</b>	
Technology	IGBT Double Conversion
Output Voltage	400V AC Three Phase
Voltage Regulation	$\pm$ 1% for DC I/p variation & o/p load variation
Frequency	50Hz $\pm$ 0.05Hz
Waveform	PWM Sine wave
Harmonic Distortion	Less than 3%
Inverter Efficiency	> 92%
Power Factor	0.8
Overload	150% for 60 sec
Crest Factor	3:1
Transient Recovery	$\pm$ 4% under full load change and corrected within 60msec
Phase Displacement	120 <sup>o</sup> $\pm$ 1 <sup>o</sup>
Audible Noise	Less than 50 dB at 1 Meter
<b>METERING:</b>	
Microprocessor based Digital LCD Meter for	R,Y,B Output Voltages, Output currents & Frequency, DC Voltage , Battery and Load Percentage
<b>GENERAL:</b>	
Dimensions (LxWxH)mm	1040x 350x 910
Operating temperature	0 <sup>o</sup> C to 50 <sup>o</sup> C
Humidity	Max 95%, Non-condensing

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