

TECHSER



Tech-UPS Series On-line UPS

500VA- 10KVA
With Galvanic Isolation

TECHNICAL SPECIFICATION

High Frequency (20KHz) PWM MOSFET Technology	
INPUT	
Voltage	230V + 15% - 20% 1Phase
Frequency	50 Hz +/- 6%
Power Factor	> 0.75 or > 0.9 (Optional)
OUTPUT	
Power	0.5 KVA to 5 KVA
Voltage	230V +/- 1%
Frequency	50 Hz +/- 0.5%
Wave Form	Sinusoidal
THD	< 3% on linear loads < 5% on non linear loads
Power Factor	0.8 lag to UPF
Line Regulation	+/- 1%
Load Regulation	+/- 1%
Crest Factor	3:1
Over Load Capacity	150% for 1 minute 125% for 10 minutes
EFFICIENCY	
Inverter	82% to 92%
Overall Efficiency	72% to 80%
D. C. BUS VOLTAGE	
	48V to 144V
TRANSIENT RESPONSE	
For 50 % Load Change +/- 5 % of Nominal Value	

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For 100 % Load Change	+/- 8 % of Nominal Value
Recovery	<3 Cycles
PROTECTIONS	
	Output Short Circuit
	Charging Current Limit
	Battery Low
	Battery Over Charge
	Output Over Load
	Inverter Over Temperature (Optional)
INDICATIONS with mimic panel	
	Mains On
	Inverter On
	Inverter Over Load
	Battery Low
	Battery Over charge
	Inverter Over Temperature (Optional)
METERING	
	Output Voltmeter
	DC Voltmeter
OPERATING ENVIRONMENT	
Temperature	0.50 Centigrade
Relative Humidity	95% Non Condensing
Noise	< 50 dB
INVERTER BYPASS	
	Static Bypass Switch Optional with Load on Mains Indication and Load on Inverter Indication
CHARGER	
	Constant Current Constant Voltage
	MOSFET / IGBT Based High Frequency Charger
BATTERY	
	Low Maintenance Tubular / Sealed Maintenance Free Batteries
COMPUTER INTERFACE and AUTO SHUTDOWN SOFTWARE (OPTIONAL)	
	Windows 95 / Windows 98 / Windows NT