

**Fuelling Innovation
Powering Customer Satisfaction**

TECHSER[®]

THE TECHNICAL SERVICE PEOPLE SINCE 1988

**ONLINE UPS
EPT SERIES
DSP TECHNOLOGY**

Applications : Data Centres, IT & ITEs
Food Processing, Process Industry
Medical Diagnostic, Retails & Malls
Heavy Industries and for other Mission
Critical Equipments.

**Salient Features of EPT
Series UPS**

- | Three Phase in, Three Phase Out
- | Double Conversion Technology
- | EPO, Static & Manual Bypass
- | LCD with Control Panel
- | Remote Management
- | Parallel Redundancy
- | Self Diagnosis
- | Compact Design
- | High Efficiency
- | Compliance to International



Also Manufacturers of
Servo voltage stabilizers
500 VA to 500 KVA



Winner



EPT SERIES - TECHNICAL SPECIFICATIONS

RATING	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA
Power	16KW	24KW	32KW	48KW	64KW	80KW
Power Factor	0.8 Lag					
INPUT (RECTIFIER)						
Phase	3Phase 4 Wire and Ground					
Voltage Range	400 ±20%					
Ferquence Range	45-65Hz					
Rectifier	3Phase - 6Pulses					
Power Walk - in	10 Seconds					
Power Factor	>0.8 (Without Input Fitter) & > 0.9 (With Input Filter) @ Full Load					
Current THD	<30% (Without Filter) & < 8% (With Input Filter) @ Full Load					
OUT PUT (INVERTER)						
Phase	3Phase 4 Wire and Ground					
Wave Form	Pure Sine Wave					
Crest Factor	3 :1					
Rated Voltage	380/400/415V Optional					
Phase Voltage setting	200 - 244VAC (Control Panel)					
Transient Response	±5%, 10ms					
Frequency	50Hz					
Frequency Stability	±0.05%					
Range of Phase Lock	With Synchronization: ±0.05% Without Synchronisation : ±2%(Settable ± 1% on the control panel)					
Dis-symmetry of Phase Voltages with Balanced and Unbalanced Loads	≤ 1%					
Voltage Phase Shift with Balanced and Unbalanced Loads	120 ± 1° el					
Total Harmonic Distortion	≤ 3%(Linear & Non-Linear load)					
Short Circuit Current	Short Current for 0.1s (200% Current)					
OVER LOAD CAPACITY	110%/125%/150% Rated Current 300min/10min/1min					
BATTERY						
Battery Type	SMF & Tubular Type Lead - Acid Batteries					
DC Voltage	384 VDC					432 VDC
BYPASS						
Type	Static State + Manual Maintenance Bypass					
Input Phase	3Phase 4Wire and Ground					
Input Voltage Range	±15% (Front Control Panel Selectable)					
Input Ferquence Range	+1%~+5% (Front Control Panel Selectable)					
Transfer Time	Inverter / Bypass Transfer Switch Time (Overload) : 0ms Inverter / Bypass Transfer Switch Time (Fault Inverter) : 1m					
Over Load Capacity (10min)	170%	170%	170%	140%	130%	125%
GENERAL						
Remote Signaling	Dry Contact (Battery Low, Battery Discharging, Bypass/Fault) : Output 12VDC/80mA					
Remote Control	EPO and Bypass					
Communication Interface	RS 232 (SNMP , Modem Optional)					
Running Temperature	0 -40 degree Celsius					
Relative Humidity	£ 95% (Without Condensing)					
Altitude	1000m Output Nominal Power Every 100m Increase will Reduce the Output by 1% max 4000m					
Noise @1Meter	£ 60 dBA					
Inverter Efficiency	>92%			>93%		
Degree of Protection	IP 21					
Applicable Standards	EN50091 - 1 , EMC EN50091 - 2 Liv.A					
Optional	Isolation Transformer, Harmonic Wave Suppression Filter Parallel Module Can Be Upto Six					
Gross Weight (kg)	260	360	360	580	615	970
Packing (WxDxH)	660x860x1430			950x890x1620		1200x810x1540

Other series - TPS /APT Series 1 to 10KVA and TMP Series 3 to 40 KVA TECHSER reserves all right to specifications and are subject to change without notice

TECHSER POWER SOLUTIONS PVT. LTD.

An ISO:9001,EMS:14001,OHSAS:18001 Certified Company

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OTHER PRODUCTS: SILENT GENERATOR / INVERTER, LINE INTERACTIVE UPS, SERVO STABILIZER (AIR COOLED & OIL COOLED), AVR (AUTOMATIC VOLTAGE REGULATOR) FLOAT CUM BOOST CHARGER & GRID-TIED SOLAR UPS, OFF-GRID SOLAR UPS, SOLAR HYBRID UPS & LED LIGHTING SOLUTIONS

Note: For District Level Branch/Service Centre Telephone and address please contact above regional office in respective state or Visit our website