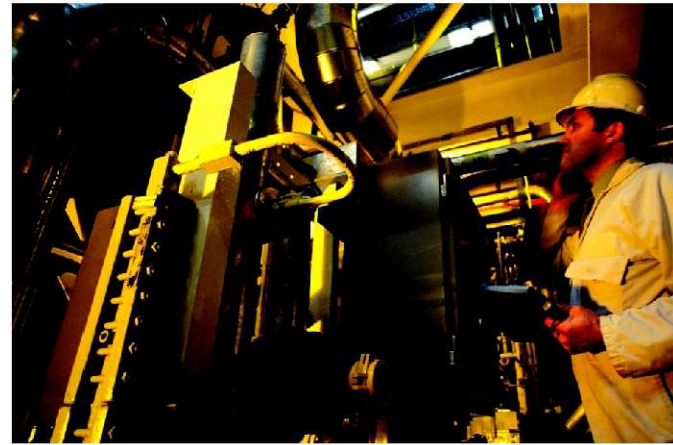


ONLINE UPS 10-120KVA(3:3)



AVO HIGH POWER TTE SERIES

APPLICATION

Computer/critical servers/data center/hub & other network device/LAN/WAN.

FEATURES

- High frequency online double-conversion with DSP control
- Modular design, high reliability, easily maintenance
- Double input distribution, higher reliability of system
- Input power factor correction (PFC)
- Wide input voltage range, 50Hz/60Hz frequency self-adaptable
- Support two modes of frequency conversion: 50Hz input/60Hz output and 60Hz input/50Hz output
- Input power factor > 0.99, input THDi = s3%, output THDV = s3%
- Output power factor 0.9
- High efficiency: load > 10%, efficiency = 90%; load > 50%, efficiency & 93%.
- Digitized charger: flexible charger parameter and battery configuration setting, monitoring battery disconnected on line
- Share battery pack in parallel operation or separate battery pack for different UPS
- Support battery cold start and mains supply self-starting
- 5.7 inches LCD touch screen, friendly human & machine interface
- Perfect protective function in hard and software, robust self diagnose, abundant event log for future check
- Perfect password control technology, including: the first power-on password control, user password control and Maintenance password control.
- Reminders of battery and DC BUS capacitors out of warranty
- Standard emergency power off (EPO)
- Standard RS232/USB/RS485/Dry contact communication port
- Optional SNMP communication port
- Optional N+1 redundancy parallel up to 6 units
- Optional built-in isolation transformer
- Optional battery temperature compensation

TECHNICAL SPECIFICATIONS

MODEL	TTE12010	TTE12020	TTE12030	TTE12040	TTE12060	TTE12080	TTE12100	TTE12120
Capacity	10KVA 9KW	20KVA 18KW	30KVA 27KW	40KVA 36KW	60KVA 54KW	80KVA 72KW	100KVA 90KW	120KVA 108KW
INPUT								
Rated Voltage	380V/400V/415VAC							
Voltage Range	204-520VAC (Load=>50%); 242-520VAC (50%<Load=<=70%); 304V-520VAC (70%<Load^100%)							
Rated Frequency	50/60HZ Auto Sensing							
Frequency Range	40-70HZ							
Power Factor	≥0.99							
Total Harmonic Distortion(THDi)	<3%							
Bypass Voltage Range	Rated output voltage -40% - Rated output voltage +20%(Setting available via LCD)							
OUTPUT								
Voltage	380V/400V/415VAC							
Voltage Regulation	±1%							
Frequency	Synchronized with utility on AC mode; (Frequency converter mode:50Hz input and 60Hz output or 60Hz input and 50Hz output) 50/60Hz on battery mode							
Waveform	Pure sine wave							
Crest Factor	3:01							
Total Harmonic Distortion(THDV)	<1%(Linear load);3%(Non-linear load)							
Transfer Time	Between AC mode and battery mode :0ms Between AC model and bypass mode:0ms							
Inverter Overload Capability	102%-125%:Transfer to bypass after 10mins; 125%-150%:Transfer to bypass after 1 mins; >150%: Transfer to bypass after 0.5s							
Bypass Overload Capability	<150%: Long time running >150%: Shut down after 10s							
BATTERY								
DC Voltage	± 192V(Option: ± 204V/± 216V/± 228V/± 240V)							
Inbuilt Battery of Standard Model	32*12V/7Ah		64*12V/7Ah		NO			
Charger Current	1-12A (Setting available via LCD)			1 -24A(Setting available via LCD)			1 -24A(Setting available via LCD) 1-48A(Optional)	
Typical Recharge Time								
SYSTEM								
Efficiency	≥93%,ECO model 98.5%							
Display Panel	5.7 Inches LCD touch screen							
Alarm	Battery mode, Battery voltage low, Fans fault etc							
Maximum Parallel numbers	6							
EMI	EN62040-2							
EMS	IEC61000-4-2(ESD) IEC61000-4-3(RS) IEC61000-4-4(EFT) IEC61000-4-5(Surge)							
ENVIRONMENT								
Humidity	0-95% RH @ 0~40°C(non-condensing)							
Noise Level	≤60dB							
MANAGEMENT								
Communication	RS232,RS485,USB,Dry contact Supports Windows*98/2000/2003/XP/Vista/2008/Windows*7/8							
Optional SNMP	Power management from SNMP manager and web browser							
PHYSICAL								
Dimension(mm) W*D*H	600x800x1360					600x800x1680		
Packing Dimension(mm) W*D*H	720x920x1500					720x920x1820		
Net/Gross Weight(kg)								
Without Inbuilt battery	180/200	185/205	190/210	225/245	230/250	336/376	374/414	

- All specifications are subject to change without prior notice.
- Custom-made specifications are acceptable.