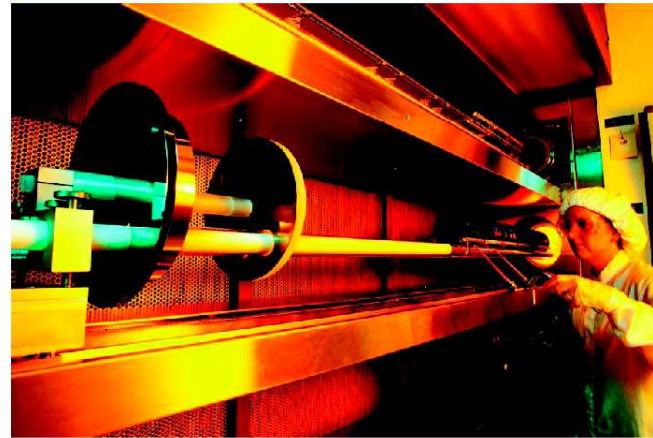


Online UPS **R-SERIES** 5-40 KVA(3:1)



AVO GREEN POWER

TFP 4000

Application:

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

Main features:

- True online double conversion, equipped with IGBT and output transformer
- Reliable EMC Features
- Cold Start Function
- Full functions LCD Display
- The patented intelligent battery control system
- Flexible net project for monitoring
- Advanced None-principle-subordinate Adaptive Control Techniques capable for multi-machine parallel or N+1 parallel redundancy

TECHNICAL SPECIFICATIONS

MODEL	TFP4005	TFP4008	TFP4010	TFP4015	TFP4020	TFP4025	TFP4030	TFP4040
Ratings	5 KVA	8 KVA	10 KVA	15 KVA	20 KVA	25 KVA	30 KVA	40 KVA
Output Rating	4 KW	6.4 KW	8 KW	12 KW	16 KW	20 KW	24 KW	32 KW
Nominal DC	192 V/ 240 V	192 / 240 / 360 VDC		240 / 360 VDC	360 VDC			
Topology	IGBT BASED DSP CONTROL							
Input Voltage	415 VAC, 335 to 475 VAC							
Input Frequency	50 Hz, 48 to 52 Hz							
Input PF	> 0.92							
Output Voltage	230 VAC +/- 1%							
Output Frequency	50 Hz +/- 0.1% in Free running & +/- 4% in Sync							
Isolation Transformer	Provided at Output							
Power Factor	0.8 Lag to Unity							
Crest Factor	3:1							
Waveform	Sinusoidal							
THD	< 3% on linear load							
Overload	110% for 30 minutes, 125% for 10 minutes, 150% for 1 minute							
Transient Response	For 0-50% & 50-100% load change voltage remains within +/- 5%							
DC Voltage Ripple	< 2%							
Inverter Efficiency	> 85%				> 88%			
Protections	Input & Output Over / Under Voltage							
	DC - High / Under Voltage, Battery Charging Over Current							
	Output Overload / Short Circuit / Over Temp.							
Audio Alarm	Mains Fail, Battery Low Pre-alarm, Inverter Trip							
Metering	LCD display to monitor Input & Output - Voltage, Current & Frequency; Battery - Voltage & Current							
Messages	Input - On / High / Low / Fail							
	Boost Charging, Battery - Float / Discharging / Low Trip, DC High							
	UPS - On / Off / Normal, Load on - UPS / Static, Overload % & time Output - Low / High / Overload / Fail / Short Circuit, Over Temp.							
Indications	Mains On / Fail, Battery On / Low, Inverter On / Trip							
Switchgear	MCB / MCCB for Input, Battery & Output; Manual Bypass Switch							
Termination	Input, Battery & Output							
Enclosure	IP 20							
Operating Temp.	0 to 40 Deg C							
Humidity	Upto 95% Rh (non-condensing)							
Cooling	Forced Air							
Noise	< 60 dB							
Charging Current	2 to 10 Amps.				5 to 15 Amps.			
Communication	RS 232							
Monitoring Software	UPS Monitoring Software on Windows XP Platform							
Static Switch (Optional)	Provided with changeover < 5 msec in sync < 20msec in non-sync							
Castor Wheels	Provided							
Dimensions (mm)	W-350 x D-650 x H-710		W-500 x D-700 x H-1050		W-500 x D-800 x H-1050			

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