

Online UPS **TE-Series** (True Efficient Series) 10-40KVA (3/3)



AVO SALIENT POWER SP 4000

Application:

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

FEATURES & BENEFITS

Complete power protection from an on-line double conversion design and incorporating automatic static bypass for over-load and fault conditions. Low running costs with a high operating efficiency. IGBT (Insulated Gate Bipolar Transistor) technology to achieve this high efficiency. Wide input voltage range to minimize battery consumption and so help extend battery life. High level remote monitoring and control using both RS232 and volt free contact signals from two separate communications ports. AVO SP4000 also includes an easy to use front panel status display. Full microprocessor management which monitor and control all function of the UPS including operation, battery management, automatic restart and shutdown, and provide real time mains and load readings.

Battery management. Programmable battery test both weekly or monthly for 6 seconds.

Fault history event record. Fault/Alarm history with "date" & "time" of each event.

AVO SP4000 is also "friendly" to the electrical supply, taking 95% utility

power. AVO SP4000 establishes a new benchmark in uninterruptible power. AVO SP4000 the modern, compact design tackle power problems in a unique and innovative way to provide perfect protection for computer networks, process and medical control equipment, and any other mission critical applications. High reliability and low maintenance. Manual maintenance bypass, and MTBF (mean time between failure) of 200,000 hours, and MTTR (mean time to repair) of 15 minutes, slide out battery trays and redundant ventilation for battery thermal stability. establishes a new benchmark in uninterruptible power. The modern, compact design tackle power problems in a unique and innovative way to provide perfect protection for computer networks, process and any other mission critical applications. AVO SP4000 is also "friendly" to the electrical supply, taking 95% active power. LCD display and LED mimic diagram provide clear and timely information on UPS operating status. Two RS232 interface ports, and a remote port including UPS-OFF, bypass and EPO inputs. The software for most operating platforms and a complete range of SNMP options (both for Ethernet and Token Ring) are available on request.

Technical Specifications

Model	SP4010	SP4015	SP4020	SP4030	SP4040
Output capacity	10KVA	15KVA	20KVA	30KVA	40KVA
Input	voltage	380VAC±20% (3Ø+N) at normal load			
	frequency range	45-65Hz			
	power factor	>0.95			
Output	voltage	380VAC±1%(3Ø+N)			
	Setting range	346-415 VAC (on the panel)			
	Crest factor	3:1			
	Wave form	Sine wave			
	Distortion with liner load	Non linear load THD<5%,resistance load THD<2.5%			
	Stability voltage at steady state	±1%			
	Stability voltage at transient state	±4%			
	frequency	50/60Hz ±2%(±1%±5%)the same of input			
	Frequency stability without synchronization	±0.05%			
	Frequency stability with synchronization	Frequency is same as bypass			
	Efficiency	>92%			
	Overload	110%125%150% nominal voltage 300/30/3 s			
Battery	Type	sealed lead-acid maintenance free			
	VDC	192+192 VDC/288+288 VDC	288+288 VDC		
	Widening	different battery combination			
Bypass	Type	STATIC + manual per maintenance operation			
	Voltage	380VAC±15% (±10%~±20%) 3Ø+N (on the control panel)			
	Input frequency range	±2% (±1%~±5%) (on the control panel)			
	Overload capacity per 1 min	200% 1 min			
Transfer time	AC fault	0ms			
	UPS fault	<2ms			
System	Remote signal	Dry contacts/remote control panel			
	Remote command	EPO and Bypass			
	Computer interface	Standard RS232*2			
	Operating temperature	0-40°C			
	Relative humidity	95% No condensing			
	Max operating altitude	rated power output at 1000m(reduce 1% of rated power output when the altitude increases every 100m) max.4000m			
	Cooling	forced ventilation (fan speed function of load)			

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



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