

TURBO

1-3 KVA (1 Ph - 1 Ph UPS) Online Long Backup UPS

VIVAT[⚡]K

Features

- * High frequency on-line double conversion technology
DSP (Digital signal processors) control technology
- * Active power factor correction (APFC), input power factor up to 0.99
Output power factor 0.9
- * Wide input voltage range (110 V ~ 300 Vac) and
frequency range (40 ~ 70 Hz)
- * Auto sensing frequency 50 / 60 Hz
frequency conversion
- * Cold start
- * Rear ventilation design and variable speed fan
- * Effective software and hardware protection
- * Quick and stable charging, 90% capacity restored
in 3 h (standard model UPS)
- * Linear derating in low voltage input reducing
battery discharging times
- * Settable delayed start when power is restored
Advanced battery management (ABM)
- * Multiple functions settable via LCD: output voltage,
EOD, auto-start, bypass mode, ECO mode and frequency
conversion mode
- * Multi-platform communications: RS232 (standard),
USB / RS485 / SNMP / dry contacts (optional)
- * Optional USB, RS485 card, AS400 dry contacts,
SNMP card, SMS alarms, EPO function, and
12 A charger (2/3 kVA only)



 **Anushri Systech Private Limited**

An ISO 9001:2008 Certified Company

A1, Ground Floor, O.No -167, N.No - 230, R.K.Mutt Road, RA Puram, Chennai - 600028. | GST: 33AAGCA8044B1Z5
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Technical Specification



Capacity	1kVA/900 W		2KVA/1800W		3kVA/2700 W	
INPUT						
Rated voltage	208/220/230/240 Vac					
Voltage range	"110 ~ 176 Vac (linear derating between 50% and 100% load) ; 176 ~ 280 Vac (no derating); 280 ~ 300 Vac (derating 50%)"					
Frequency	40~70 Hz (auto-sensing)					
Power factor	≥0.99					
Bypass voltage range	-25% ~ + 15% (settable)					
Total harmonic distortion (THDI)	≤6%					
OUTPUT						
Voltage range	208/220/230/240 Vac (settable via LCD)					
Voltage regulation	±1%					
Frequency	"45 ~ 55 Hz or 55 ~ 65 Hz (synchronized range); 50 / 60 Hz ± 0.1 Hz (battery mode)"					
Waveform	Sinusoidal					
Power factor	0.9					
Total harmonic distortion(THDv)	≤ 2 % (linear load), ≤ 5% (non- linear load)					
Crest factor	3:1					
Overload	105%~125% for 1 min, 125%~150% for 30 s, > 150% for 300 ms					
BATTERIES						
DC voltage	24V	36V	48V	72V	72V	96V
Recharge time	Long time model: depend on the capacity of battery					
SYSTEM						
Efficiency	≥90% (Mains mode)		≥91% (Mains mode)		≥92% (Mains mode)	
	≥85% (Battery mode)		≥86% (Battery mode)		≥87% (Battery mode)	
	≥95% (ECO mode)		≥96% (ECO mode)		≥97% (ECO mode)	
Transfer time	"Mains mode to battery mode: 0ms, Inverter mode to bypass mode: 4ms (typical)"					
Protections	Short circuit, over load, overtemperature, battery discharge protection and fan testing protection					
Communications	RS232 (Standard), USB/ RS485/ dry contacts / SNMP (Optional)					
Display	LCD+LED					
Standards	EN 62040-1, EN 62040-2, EN 61000-3-2, EN 61000-3-3, IEC 61000-4-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2, IEC 62040-2, IEC 62040-1, IEC 62040-3,					
OTHERS						
Operating temperature	0° c- 40° C					
Storage temperature	-25°C ~ 55°C (Without batteries)					
Relative Humidity	0 ~ 95% (non- condensing)					
Altitude	≤ 1000 m, derating 1 % for each additional 100 m					
IP rating	IP 20					
Noise level at 1m	≤ 50 dB					
Dimension(WxDxH) (mm)	144 × 336 × 214		191 × 418 × 335		191 × 418 × 335	
Net weight (kg)	6		10.5		11	

* All specifications Subject to change without notice



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