

# TURBO

## 6KVA- 10KVA (1 PH - 1 PH UPS) Online Long Backup UPS

# VIVATK

### Features

- \* Advanced DSP and 3-level technology
- \* Active power factor correction (APFC), input power factor up to 0.99
- \* High efficiency 95%A (up to 98% in ECO mode)
- \* Advanced digital parallel technology
- \* Wide input voltage range (190 — 499 Vac) and frequency range (40 — 70 Hz)
- \* 50 / 60 Hz frequency auto sensing
- \* Two modes of frequency conversion: 50 Hz input / 160 Hz output or 60 Hz input / 50 Hz output
- \* Dual-input design, supporting independent bypass
- \* Flexible battery configuration (settable 16 – 20 pcs batteries)
- \* Digitally controlled charger
- \* High charging current available (Max. 10 A)
- \* Charging voltage and current configured by demands
- \* Linear derating in low voltage input reducing battery discharging times, extending the service life of battery
- \* Intelligent battery management, automatic floating / equalizing charge control, charger dormancy control, increasing battery life by 50%
- \* Ability to switch on the UPS with batteries
- \* Fan speed varies intelligently with temperature, reducing noise and extending its service life
- \* Equipped with self-aging function
- \* Compact internal layout, miniaturized the complete unit for small footprint
- \* LCD+LED display, multi-functional keys operation, friendly human-machine interface
- \* Powerful background software for parameters configuration
- \* Advanced multi-platform communications: RS232, USB, RS485, SNMP and dry contacts communication interfaces
- \* Effective software and hardware protection function, robust self-diagnostic function, and abundant event log for check
- \* RS232 and smart card slot included
- \* Optional parallel function, battery temperature compensation, SNMP card, USB, RS485 card, dry contacts, EMD, and SMS alarms



 **Anushri Systech Private Limited**

An ISO 9001:2008 Certified Company

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Capacity	6KVA / 5400 W	10KVA / 9000W
<b>INPUT</b>		
Input Writing	Single-phase three-wire (1 $\phi$ + N + PE)	
Rated Voltage	208 / 220 / 230 / 240 Vac	
Voltage range	110 ~ 176 Vac (linear derating between 50% and 100% load); 176 ~ 288 Vac (no derating )	
Rated frequency	50 / 60 Hz (auto-sensing)	
Frequency range	40 ~ 70 Hz	
Power factor	$\geq 0.99$	
Bypass voltage range	- 40% ~ +15% (settable)	
Total harmonic distortion(THDi)	$\leq 5\%$	
<b>OUTPUT</b>		
Output Writing	Single-phase three-wire (1 $\phi$ + N + PE)	
Rated Voltage	208 (PF=0.9) / 220 / 230 / 240 Vac	
Voltage regulation	$\pm 1\%$	
Frequency	Synchronized to bypass in mains mode; 50 / 60 Hz $\pm 0.1\%$ Hz in battery mode	
Waveform	Sinusoidal	
Power factor	1	
Total harmonic distortion (THDv)	$\leq 1\%$ (linear load); $\leq 4\%$ (non- linear load)	
Crest factor	3:1	
Overload	105% ~ 110% for 10 min, 110% ~ 125% for 1 min, 126% ~ 150% for 30s	
<b>BATTERIES</b>		
DC Voltage	192 Vdc (192 ~ 240 Vdc settable)	
Number of battery	16 pcs (16 ~ 20 settable)	
Charging current	Long time model: 5 A (default), 1 ~ 5 A settable; 12 A	
Recharge time	Long time model: depend on the capacity of battery	
<b>SYSTEM</b>		
Efficiency	$\geq 94\%$ at 100% load, max. 95% at 60% load, 98% in ECO mode	
Transfer time	0 ms	
Protections	Short-circuit, overload, overtemperature, battery low voltage, overvoltage, undervoltage and fan failure	
Max.number of parallel connections	4	
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP / battery temperature compensation (optional)	
Display	LCD + LED	
<b>OTHERS</b>		
Operating temperature	0°C ~ 40°C	
Storage temperature	-25°C ~ 55°C (Without batteries)	
Relative humidity	0 ~ 95% (non Condensing)	
Altitude	$\leq 1000$ m, derating 1% for each additional 100 m	
Ip rating	IP 20	
Noise Level at 1 m	$\leq 55$ dB	$\leq 58$ dB
Dimensions (W*D*H) (mm)	191 × 465 × 711 (S), 191 × 465 × 350 (H)	191 × 495 × 711 (S), 191 × 495 × 350 (H)
Packaged dimensions (W*D*H) (mm)	310 × 654 × 941 (S), 318 × 595 × 475 (H)	310 × 685 × 941 (S), 318 × 617 × 475 (H)
Net weight(kg)	14.5	16.5
Gross weight (kg)	16	18

\* All specifications Subject to change without notice