

TURBO U 80-500KVA (3Ph - 3Ph UPS) Online LF TRANSFORMER Based

VIVATK

Features

- * Online double-conversion with DSP control
- * IGBT rectifier and high input factor (<0.99)
- * High efficiency 93%
- * Output power factor 0.9
- * Low input distortion: THO<5%
- * Generator compatible
- * Output isolation transformer
- * Inverter IGBT technology with high frequency Communication
- * High immunity to external disturbances
- * Independent control on the three inverter phases
- * High instantaneous overload capacity e High MTBF (<200,000 h)
- * Capability of supplying distorted loads, containing output volatge distortion with crest factors
- * Front access makes maintenance and replacement easy, save space
- * Intelligent self-diagnosing function, all kinds of failure protection, large capability of history records storage
- * LOW MTTR (<0.5h)
- * Standard emergency power off (EPO)
- * Standard RS232 / RS485 / dry contacts communication port
- * Optional SNMP communication port
- * Optional N+X redundancy parallel upto 6 units



 **Anushri Systech Private Limited**

An ISO 9001:2008 Certified Company

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Technical Specification



Capacity	160 KVA/ 144 KW	200 KVA , 180 KW	250 KVA, 225 KW	300 KVA, 270KW	400 KVA, 360 KW	500 KVA, 450 KW
INPUT						
Rated voltage	380V/400V/ 415 Vac					
Voltage range	346 V ~ 456 V (Full load), 304 V ~ 346V (power derating 10%)					
Rated frequency	50 / 60 Hz					
Frequency range	50 / 60 Hz ± 5Hz					
Power factor	≥ 0.99					
Total harmonic distortion (THDI)	≤ 3%					
Input current- limiting	1.1 times of rated current (0.1 ~ 1.1 settable)					
rectifier delay start	10 s (1 ~ 300 settable)					
Bypass voltage range	± 20 % (settable)					
OUTPUT						
Rated voltage	380 V / 400 V / 415 Vac					
Voltage regulation	± 1 %					
Frequency	Synchronised with utility in mains mode; 50/ 60 Hz ± 0.1 % in battery mode					
Waveform	sinusoidal					
Crestfactor	3:1					
Total harmonic distortion (THDV)	≤ 2% (linear load); ≤ 5% (non- linear code)					
Typical Transfer Time	0ms					
Inverter overload capability	105% ~ 110% for 60 min; 110% ~ 125 % for 10 min					
Sight adjustment of inverter output voltage	± 5V					
BATTERIES						
DC voltage	600 Vdc (support 576 Vdc / 588 Vdc / 612 Vdc / 624 Vdc)					
Number of battery	50 pcs (support 48 / 49 / 51 / 52 pcs)					
Charging current	charging rate (settable) × battery capacity (settable) × number of battery group (settable)					
Battery state display	battery remaining capacity and backup time					
Battery self-test	settable periodic self-test ; manually configurable test time and voltage					
SYSTEM						
Efficiency	line mode ≥ 93%, ECO mode ≥ 98%					
Max. parallel numbers	6					
Protections	short-circuit , overload, over temperature, overvoltage, undervoltage, battery low voltage and fan failure					
communications	RS232/ RS485/ dry contacts (standard), SNMP (optional)					
IP rating	IP 20					
Display	5.7 inches LCD touch screen					
OTHERS						
Operating temperature	0 °c- 40°C					
Storage temperature	-25°C ~ 55°C (Without battery)					
Humidity	5% ~ 95% (non- condensing)					
Noise level at 1 m	<65 Db				<70dB	
Dimensions (W×D×H) (mm)	800× 860× 1700	1210 ×860 ×1950			2380× 860× 1950	
Packaged dimensions (W×D×H) (mm)	900× 1000× 1950	1300 ×1000× 2200			1300 ×1000× 2200(× 2)	
Net/gross weight (Kg)	790/810	1135/1200	1275/1340	1355/ 1420	2090/2200	2300/ 2410

* All specifications Subject to change without notice



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