

TURBO U 10-120KVA (3Ph - 3Ph UPS) Online LF TRANSFORMER UPS

VIVAT[⚡]K

Features

- * Online double-conversion with full DSP control
- * IGBT inverter with output isolation transformer
- * 100% unbalance load capability
- * Output power factor 0.9
- * Generator compatible
- * Support battery auto-restart when mains power is restored
- * ECO mode operation for energy saving
- * Superior protection
- * 5.7 inches LCD touch screen, friendly human & machine interface
- * Intelligent self-diagnosing function, all kinds of failure protection, large capability of history records storage
- * High MTBF (> 200,000h)
- * Low MTTR (< 0.5h)
- * Standard emergency power off function (EPO)
- * Standard RS232, RS485, dry contacts communication port
- * Optional SNMP communication card
- * Optional N+X redundancy parallel up to 6 units
- * Optional input filter to improve input power factor



 **Anushri Systech Private Limited**

An ISO 9001:2008 Certified Company

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Capacity	10KVA/ 9KW	15KVA/ 13.5KW	20KVA/ 18KW	30 KVA/ 27 KW	40 KVA/ 36 KW	60 KVA/ 54 KW	80 KVA/ 72 KW	100 KVA /90 KW	120 KVA/ 108 KW
INPUT									
Input writing	Three-phase five-wire (3Ø+ N + PE)								
Rated voltage	380 / 400 / 415 Vac								
Voltage range	± 25%								
Rated frequency	50 / 60 Hz								
Frequency range	50 / 60 Hz ± 5 Hz								
Power factor	≥ 0.95 (with filter)								
Bypass voltage range	± 20% (settable)								
Delayed start of rectifier	1- 300 s (settable via display panel)								
ECO voltage range	± 10% (settable)								
OUTPUT									
Output writing	Three-phase five-wire (3Ø + N + PE)								
Rated voltage	380/400/415 Vac								
Output voltage regulation	± 1%								
Output frequency regulation	50 / 60 Hz ± - 0.1% in battery mode								
Waveform	Sinusoidal								
Power factor	0.9								
Voltage distortion (THDv)	≥ 1% (linear load), 5% (non-linear load)								
Crest factor	3:1								
Transfer time	"AC mode to battery mode: 0 ms Inverter mode to bypass mode: 0 ms Inverter mode to EGO mode: 5 - 10 ms"								
Overload	"105%: long time running, 105% - 110% for 1h, 110% - 125% for 10 min, 125% - 150% for 1 min, 150% - 200% for 200 ms, >200% for 100 ms"								
BATTERIES									
DC voltage	12 V x configured battery number (settable via display panel)								
Number of batteries	28 - 32 pcs (settable)								
Charging current	10 A default / settable								
Charging	Three-stage charging, auto switch floating / equalizing charge								
Battery self-test	Settable periodic self-test; manually configurable test time and voltage								
SYSTEM									
Efficiency	In line mode: Max. 93%; EGO mode: ≥ 98%								
Max.number of parallel connections	6								
Protections	Short-circuit, overload, overvoltage, undervoltage, low battery, overtemperature,, fan failure								
communications	RS232 / RS485 / dry contacts (standard), SNMP (optional)								
EMI	EN62040-2								
EMS	"IEC61000-4-2 (ESD) IEC61000-4-3 (RS) IEC61000-4-4 (EFT) IEC61000-4-5 (surge)"								
OTHERS									
Operating temperature	0 - 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 1 m	55 Db			60 Db			65 Db		
Dimensions (W×D×H) (mm)	400 × 800 × 1100			600 × 700 × 1500			700 × 800 × 1700		
Packaged dimensions (W×D×H) (mm)	490 × 920 × 1300			700 × 800 × 1650			800 × 900 × 1850		
Net weight (kg)	158	165	175	210	260	460	590	630	690
Gross weight (kg)	200	207	217	252	302	480	620	660	720

* All specifications Subject to change without notice