

Transformer-based Industrial UPS

10 kVA - 800 kVA, Low Frequency, 3:3 Phase



Built-in isolation transformer

- Industrial-grade feature, supports capacitive and inductive types of load with high anti-interference abilities.

Tougher low frequency design

- This product is based on a low-frequency design, which ensures a higher tolerance for unstable input compared to common high-frequency UPS.

External battery connection

- 384Vdc input battery voltage for external batteries. (Batteries not included)

Double DSP control

- Full Double DSP control for improved stability and reliability

Other features

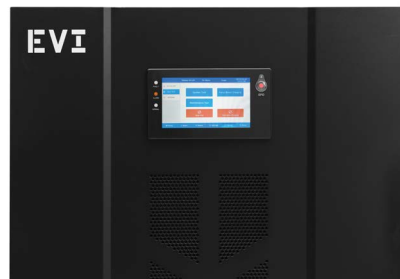
- Cold start function, SNMP card
- Generator Mode
- LBS Synchronization, parallel support, EPO

Power absorption (optional)

- This product can be customized with energy back-feed protection for connection of equipment such as elevators etc.

Support and service

- Service- and spare parts available through authorized service centres
- Ask your local dealer for service contracts
- Crash-kits available on request



Warranty

- 3 years warranty, extendable

Technical Specifications

PART NO	EL-TB200L9Z330T	EL-TB300L9Z330T	EL-TB400L9Z330T	EL-TB500L9Z330T	EL-TB600L9Z330T	EL-TB800L9Z330T
Capacity	200kVA/180kW	300kVA/270kW	400kVA/360kW	500kVA/450kW	600kVA/540kW	800kVA/720kW
INPUT						
Operating voltage range	380/400/415Vac (-25%/+20%), (3Ph+PE)					
Operating frequency range	50/60Hz (±5%)					
Power factor	≥0.97 *					
OUTPUT						
Output voltage	380 / 400 / 415Vac (±1%), (3Ph+N+PE)					
Output frequency	50 / 60Hz (±0.05%)					
Harmonic distortion (THDv)	≤ 1% (Linear load)					
Crest factor	3:1 (Max)					
Efficiency	92.5%	93%		93.5%		94%
BYPASS						
Rated voltage	380/400/415Vac, (3Ph+N+PE)					
Rated frequency	50/60Hz					
Voltage protection range	Upper limit: +20% (+10%, +15%, +20% adjustable) Lower limit: -40% (-10%, -20%, -30%, -40% adjustable)					
Frequency protection range	±10% (±2.5%, ±5%, ±10%, ±20% adjustable)					
BATTERIES						
Battery voltage	384Vdc (360~408Vdc)			480Vdc		600Vdc
SYSTEM FEATURES						
Transfer time	0 ms (Line mode → Battery mode)					
Overload	Load≤110%/60min; ≤125%/10mins; ≤150%/1 min, to Bypass					
LED display	Input, Inverter, Bypass, Battery, Output, Status					
LCD display	I/O voltage, frequency, power, power factor, battery voltage, current, battery status, load percentage, UPS status, history record, settings					
Communication interface	RS232, RS485, EPO , Dry contact, SNMP card (Optional)					
Optional	Harmonic filter, SNMP adapter, LBS cables, battery temperature sensor, Bypass current-sharing inductor					
ENVIRONMENT						
Operating temperature	0~40°C					
Storage temperature	-25~-55°C					
Humidity range	0~95% (Non-condensing)					
Altitude	<1500m					
Noise level	<72dB					<75dB
APPEARANCE						
Dimension W×D×H (mm)	1200×800×1600 (6P) 1400×1000×1900 (12P)	1400×1000×1900 (6P) 1640×1000×1900 (12P)		2580×1000×1900	2800×1040×1900	3280×1040×1900
Net weight (KG)	1030 (6P)/1715 (12P)	1560 (6P)/2395 (12P)	1640 (6P)/2510 (12P)	3510	3950	4950
Gross Weight (KG)	1130 (6P) /1845 (12P)	1690 (6P) /2545 (12P)	1770 (6P) /2665 (12P)	3730	4250	5245
COMPLIANCE						
Safety	IEC/EN 62040-1; IEC 62477-1					
EMC	IEC/EN 62040-2 (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)					
Performance	IEC/EN 62040-3					

* With optional filter

- Specifications are subject to change without prior notice
- Data above are typical values for reference only, not as a basis for engineering design