

# OTL SERIES



## Online UPS High frequency 1KVA to 3KVA (Single Phase in and Single phase out)

**OTL series** is a UPS range in a tower format equipped with on-line double-conversion technology and the latest features to make it an advanced protection system for sensitive and critical loads. High output power factor (PF=0.8) to ensure availability to all types of loads.

## Performance

- On-line double-conversion technology.
- Digital microprocessor control optimizes reliability.
  - Output power factor PF=0.8.
  - Input power factor correction
  - UPS starts up without battery
    - Cold start function
    - ECO mode operation
  - Control panel with LCD screen and keypad.
    - Tower format.
- Backup extensions are available for all power ratings.
- UPS models with extra charger for backup extensions.

# Technical Specifications

MODEL		OTL-1000B / OTL-1000EB	OTL-2000B / OTL-2000EB	OTL-3000B / OTL-3000EB	
RATED POWER		1KVA / 0.8KW	2KVA / 1.6KW	3KVA / 2.4KW	
TECHNOLOGY		On-line double conversion, DSP control			
INPUT	Rated voltage	Single-phase Three wire (1 $\phi$ +N+PE) 220 / 230 / 240VAC			
	Voltage range	165 ~ 275 VAC			
	Rated frequency	50 / 60 Hz (45-65Hz)			
	Power factor	> 0.97			
OUTPUT	Rated voltage	Single-phase Three wire (1 $\phi$ +N+PE) 220 / 230 / 240VAC			
	Voltage accuracy	$\pm$ 1%			
	Power factor	0.8			
	THDv (linear load)	<3%			
	Frequency	50 / 60 Hz ( $\pm$ 0.1% in battery mode)			
	On-line performance	88%	89%	90%	
	Waveform	Sinusoidal			
	Crest factor	3:1			
	Overload	>125% for 1 min. / >150% for 200 ms			
	Battery type	Lead acid, sealed, maintenance free			
BATTERY	Rated voltage	36 VDC (3*12V 7.5AH)	72 VDC (6*12V 7.5AH)	96 VDC (8*12V 7.5AH)	
	Charging voltage	41.1VDC	82.2 VDC	82.2 VDC / 109.6 VDC	
	Charging current (Standard)	1A			
	Charging current (Long)	6A (12A optional)			
SYSTEM	Transfer time	0 ms (line mode $\rightarrow$ battery mode)			
	Communication interface	RS232 port (Standard), USB, SNMP, dry contacts, and RS485 (Optional)			
GENERAL	Operating temperature	0 $^{\circ}$ C ~ +40 $^{\circ}$ C			
	Relative humidity	Up to 95%, non-condensing			
	Maximum operating altitude	< 1500 m			
	Acoustic noise at 1 meter	< 55 dB			
STANDARD	Safety	EN-IEC 62040-1			
	Electromagnetic compatibility	EN-62040-2			
	Operation	VFI-SS-11 (EN-62040-3)			
	Corporate certification	ISO 9001, ISO 14001, ISO 45001			
PHYSICAL	Standard	Dimensions (L x W x H) mm	400 x 144 x 215	468 x 191 x 340	
		Weight (kg)	12.5	23	27
	Long	Dimensions (L x W x H) mm	400 x 144 x 215	468 x 191 x 340	
		Weight (kg)	5.6	11	11.5

\*information subject to change without prior notice

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