

# 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=0.9.
  - 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.

Osmium Tech Co., Ltd.

Headquarter: Old Madison Pike, Huntsville, AL 35806, United States

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[www.osme-usa.com](http://www.osme-usa.com)

**OSME**

# Technical Specifications

MODEL			OTL-1000B / OTL-1000EB	OTL-2000B / OTL-2000EB	OTL-3000B / OTL-3000EB
RATED POWER			1KVA / 0.9KW	2KVA / 1.8KW	3KVA / 2.7KW
TECHNOLOGY			On-line double conversion, DSP control		
INPUT	Rated voltage		Single-phase Three wire (1ϕ+N+PE) 220 / 230 / 240VAC		
	Voltage range		110 ~ 300 VAC		
	Rated frequency		50 / 60 Hz (45-65Hz)		
	Power factor		> 0.97		
OUTPUT	Rated voltage		Single-phase Three wire (1ϕ+N+PE) 220 / 230 / 240VAC		
	Voltage accuracy		± 1%		
	Power factor		0.9		
	THDv (linear load)		<3%		
	Frequency		50 / 60 Hz (± 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	Battery type		Lead acid, sealed, maintenance free		
	Rated voltage		36 VDC (3*12V 9AH)	72 VDC (6*12V 9AH)	96 VDC (8*12V 9AH)
	Charging voltage		41.1 VDC	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 → battery mode)		
	Communication interface		RS232 port (Standard), USB, SNMP, dry contacts, and RS485 (Optional)		
GENERAL	Operating temperature		-15° C ~ +45° 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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