

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.

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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