

OLG2 TOWER SERIES



- Model ERX 1000OLG2 Tower
- Model ERX 2000OLG2 Tower
- Model ERX 3000OLG2 Tower

ERX-OLG2 Tower 1-3K UPS is a new generation entry-level product series. It has higher cost-effective performance, higher charging current, smarter charging, a wider range of rated voltages meeting various customer needs. ERX-OLG2 series UPS product provides flexible configuration and offer multiple and extendable options to meet the increasing customized application demand.

sine wave output

LCD display

back up time

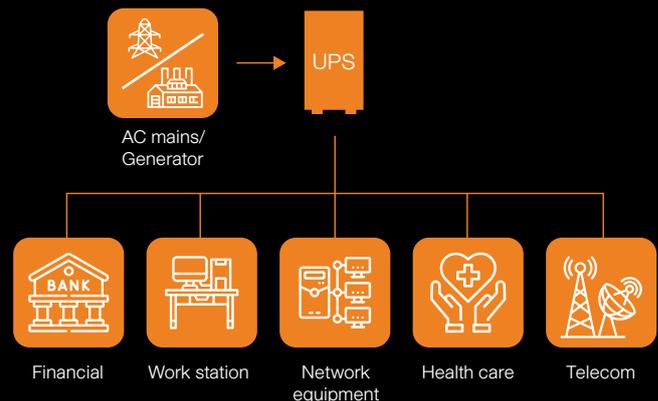
built-in batteries

Key features

- Higher charging current provides faster charging time(1.5A/6A for STD/Long model)
- Smarter charging(with temperature compensation) for better battery life
- More options for input and output rated voltage(200/208/220/230/240V)
- Programmable LCD display for quick UPS parameters configuration
- Various communication for easy management: RS232/USB, EPO, Mini slot
- Lower noise provides a quieter experience for users(<45dB/48dB for 1K/2K&3KVA)
- True double-conversion design with high adaptability to harsh mains conditions
- Output power factor 0.9, up to 12.5% more power offer than traditional PF 0.8
- CE , TISI certification

Typical application

- Small and medium enterprises, branches of large enterprise, bank and government, office and computer room
- Kiosk equipment: ATM, Gate of subway and highway, Vending machine
- Networks, telecom equipment, telephone system
- PLC, automatic control equipment, industrial control panel
- Lab equipment





Easy management

- LCD bar indicator for Detail and accurate information for management.
- Default communication for easy management: RS232/USB, EPO, Intelligent communication slot
- Winpower monitoring
- Flexible communication card options for management: AS400 mini card, MODBUS mini card and NMC mini card options

Excellent charging

- Higher charging current for faster charging(1.5A/6A for STD/Long model)
- Smarter charging solution with temperature compensation for extended battery life

High Efficiency and Flexible Configuration

High performance

- Up to 91% double conversion efficiency
- More options for input and output rated voltage(200/208/220/230/240V)
- Broader full-load input range 176-300V

True Reliability and Easy Management

Double conversion topology

- Constantly monitors power conditions and regulates voltage and frequency



Model ERX 1000OLG2 Tower



Model ERX 2000OLG2 Tower



Model ERX 3000OLG2 Tower

Model name		ERX 1000OLG2 Tower	ERX 2000OLG2 Tower	ERX 3000OLG2 Tower
Power rating	VA/Watt	1000VA/900W	2000VA/1800W	3000VA/2700W
Efficiency	Double conversion mode	89%	90%	91%
	ECO mode	97.5%	98%	98%
Input performance	Voltage range	115Vac-300Vac @50% Load. 176-300Vac@full Load	115Vac-300Vac @50% Load. 176-300Vac@full Load	115Vac-300Vac @50% Load. 176-300Vac@full Load
	Rated frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
	Frequency range	45~55 Hz/54~66 Hz	45~55 Hz/54~66 Hz	45~55 Hz/54~66 Hz
	PF	>0.99	>0.99	>0.99
	THDI	<6%	<6%	<6%
Input connection		IEC C14	IEC C14	IEC C20
Output performance	Rated voltage	200/208V/220/230/240VAC	200/208V/220/230/240VAC	200/208V/220/230/240VAC
	Rated frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
	Maximum PF	0.9	0.9	0.9
	Voltage accuracy	±1%	±1%	±1%
	THDv	<2% linear load <6% non linear load	<2% linear load <6% non linear load	<2% linear load <6% non linear load
	Transfer time	0ms(4ms @ line <-> bypass;0ms @ ECO <->Inverter)	0ms(4ms @ line <-> bypass;0ms @ ECO <->Inverter)	0ms(4ms @ line <-> bypass;0ms @ ECO <->Inverter)
	Crest Ratio	max 3:1	max 3:1	max 3:1
Overload	100%< load ≤ 105% continuous. 105%< load ≤130% for 60 seconds. 130<load ≤150% for 10 seconds. >150% for 300ms.	100%< load ≤ 105% continuous. 105%< load ≤130% for 60 seconds. 130<load ≤150% for 10 seconds. >150% for 300ms.	100%< load ≤ 105% continuous. 105%< load ≤130% for 60 seconds. 130<load ≤150% for 10 seconds. >150% for 300ms.	
Output connection	Wiring/socket	4 x Thai Outlet	8 x Thai Outlet	8 x Thai Outlet
Battery	Voltage	24VDC	48VDC	72VDC
	No. Of Battery	2 x 12V	4 x 12V	6 x 12V
	Backup time (Typical value by default battery capacity, PF=0.9)	5 - 15 min 100% load (IT Load)	5 - 15 min 100% load (IT Load)	5 - 15 min 100% load (IT Load)
Maximum connect external battery module quantity		No	No	No
Charger	Charging current	1.5A	1.5A	1.5A
	Recharging time	4h to 90%	4h to 90%	4h to 90%
Other working mode	CVCF	Yes (derating to 60% load)	Yes (derating to 60% load)	Yes (derating to 60% load)
	Parallel	no	no	no

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HMI(human-machine interface)	Display	Dot matrix LCD (optional segment LCD)	Dot matrix LCD (optional segment LCD)	Dot matrix LCD (optional segment LCD)
	Language	1 Languages	1 Languages	1 Languages
	USB	USB 2.0 with HID	USB 2.0 with HID	USB 2.0 with HID
	RS232	Option	Option	Option
	Dry in/out	1 programmable dry in 1 programmable dry out	1 programmable dry in 1 programmable dry out	1 programmable dry in 1 programmable dry out
	EPO	yes	yes	yes
	Intelligent slot	yes(for long card)	yes(for long card)	yes(for long card)
	Network card	Optional, NMC long card	Optional, NMC long card	Optional, NMC long card
	Modbus card	Optional,CMC/Modbus Long Card	Optional,CMC/Modbus Long Card	Optional,CMC/Modbus Long Card
	Dry contactor card	Optional,AS400 Long Card	Optional,AS400 Long Card	Optional,AS400 Long Card
	WLAN module	Optional,HDMI type	Optional,HDMI type	Optional,HDMI type
	Ethernet port for IOT	RJ45	RJ45	RJ45
	Monitor software	Winpower	Winpower	Winpower
Physical performance	Dimension(W*D*H)MM	144*228*356	190*327*399	190*327*399
	Net Weight (Kg.)	11	21	26
	IP protection level	IP20	IP20	IP20
Environment	Operating temperature	0-40°C	0-40°C	0-40°C
	Relative Humidity	0-95%	0-95%	0-95%
	Operating Altitude	0~3000m(the load derating 1 % every up 100m @1000~3000m)	0~3000m(the load derating 1 % every up 100m @1000~3000m)	0~3000m(the load derating 1 % every up 100m @1000~3000m)
	Acoustic Noise	<50dB @ typical load with battery fully charged	<50dB @ typical load with battery fully charged	<50dB @ typical load with battery fully charged
Certification		CE,IEC/EN 62040	CE,IEC/EN 62040	CE,IEC/EN 62040
EMI	Conduction/Radiation	C2	C2	C2
EMS	ESD	IEC/EN 61000-4-2	IEC/EN 61000-4-2	IEC/EN 61000-4-2
	RS	IEC/EN 61000-4-3	IEC/EN 61000-4-3	IEC/EN 61000-4-3
	EFT	IEC/EN 61000-4-4	IEC/EN 61000-4-4	IEC/EN 61000-4-4
	Surge	IEC/EN 61000-4-5	IEC/EN 61000-4-5	IEC/EN 61000-4-5
Accessory	Maintenance bypass switch	NA	NA	NA
	Input power cable	yes	yes	yes
	Output power cable	yes,1*10A	yes,1*10A	yes,1*10A
	EBM cable	no	no	no
	USB cable	yes	yes	yes
	RS232 cable	Optional	Optional	Optional
	Manual	Yes	Yes	Yes
	Tower Feet	no	no	no
Up Connex Box		Yes		
Up Connex Server		Yes		
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