

LEMON Series Tower Online UPS 10-40kVA (380V/400V/415V)

LEMON series UPS applies advanced technology that increases performance and reliability: two high speed DSPs with completed digital control to ensure high quality of power supply, high input power factor and low input current distortion.



Application

- IDC(Internet Data center),ISP,Computer Room, Service Center
- Precision instruments,Intelligent equipments

Features

- High efficiency, up to 96%
- High input PF > 0.99;Input current THDi < 4%
- Multi-protection, over-temperature protection with 8 sensors, over-load, battery under voltage, fan failures, short-circuit
- Four circuit breakers, providing full protection when fault happens
- Battery cold start
- Battery management with smart charging control, greatly extend the battery life
- Parallel up to 8 units
- Friendly operation interface, high-resolution LCD screen

Specification

MODEL			LEMON 10k	LEMON 15k	LEMON 20k	LEMON 30k	LEMON 40k
System Capacity			10kVA	15kVA	20kVA	30kVA	40kVA
Input	Dual Input		Standard				
	Phase		3 Phase+Neutral+Ground, 380V/400V/415V(line-line)				
	Input Voltage Range		304~478Vac (line-line),full load; 228V~304Vac (line-line),load decreases linearly according to the min phase voltage				
	Rate Frequency		50/60Hz				
	Input Frequency Range		40Hz ~ 70Hz				
	Input PF		>0.99				
	Input THDi		<4% (100% Linear load)		<3% (100% Linear load)		
Bypass	Rate Voltage		380/400/415VAC (line-line)				
	Rate Frequency		50/60Hz				
	Input Voltage Range		Settable, -40% ~ +25%				
	Bypass Frequency Range		Settable, ±1Hz, ±3Hz, ±5Hz				
	Bypass Overload		125% long term operation; 130% for 10 mins; 150% for 1 min				
Output	Rate Voltage		380/400/415VAC (line-line)				
	Voltage Regulation		1% for balance load; 1.5% for unbalance load				
	Rate Frequency		50/60Hz				
	Frequency Precision		0.1%				
	Output PF		1		0.9		
	Output THDu		<1% , Linear load; <5.5%, Non-linear load				
	Crest Factor		3:1				
	Inverter Overload		110% for 1 hour; 125% for 10 mins ;150% for 1 min; >150% for 200 ms				
Battery	Voltage		±240VDC				
	Battery Number		40pcs (Settable: even number from 32 to 44)				
	Voltage Precision		±1%				
	Charge Power		up to 20% * Output active power				
	Battery Cold Start		Optional				
System	Efficiency	AC Mode	95.0%				96.0%
		ECO Mode	98.0%				
		Battery Mode	95.0%				96.0%
	Display		LCD + LED + keyboard				
	IP Class		IP 20				
	Interface		Rs232, RS485, Programmable Dry Contact				
	Option		SNMP Card, Parallel kit, USB				
	Temperature		Operation: 0 ~ 40 °C Storge: -40 ~ 70 °C				
	Relative Humidity		0 ~ 95% Non-condensing				
	Altitude		<1000m. Within 1000m to 2000m, power derate 1% for every 100m rise				
	Noise (1 meter)		55dB @ 50% load				
Physical	Applicable Standards		Safety: IEC/EN 62040-1-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3				
	Weight (kg)		51.5	51.5	89	89	140
			31	31	50	52	61
	Dimension W*D*H (mm)		250*840*715	250*840*715	350*738*1335	350*738*1335	500*840*1400
250*660*530			250*660*530	250*680*770	250*680*770	250*836*770	