

# UKO-series



## True On-line Double Conversion UPS

Adjustable 3:3 / 3:1 / 1:1 Phase Configuration

# 10-30kVA



TELECOM-  
MUNICATIONS  
DEVICES



LOCAL AREA  
NETWORKS  
(LAN)



E-BUSINESS  
(Servers Farms,  
ISP/ASP/POP)



SERVERS



CASH  
REGISTERS



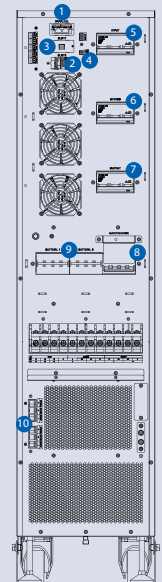
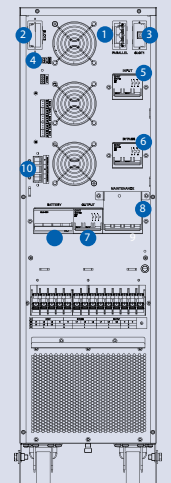
EMERGENCY  
SECURITY

## Highlights

- Adjustable input and output configuration
- High AC/AC efficiency up to 96%
- High output power factor 0.9 or 1 (Option)
- Common battery bank
- Optional 4.3 inch touch screen

### Rear Panel

1. Parallel (optional)
2. Slot (optional)
3. Slot
4. RS485
5. Input breaker
6. Bypass breaker
7. Output breaker
8. Maintenance breaker
9. Battery breaker
10. External battery slot



TIS.1291 Part 1-2553  
TIS.1291 Part 2-2553  
TIS.1291 Part 3-2555

## GREEN POWER

- AC/AC efficiency up to 96%, less TCO and more energy saving
- Output power factor 0.9 or 1 (Option), more powerful to connect more critical loads
- 3 Level IGBT technology for higher efficiency and minimized interference to grid

## HIGH RELIABLE

- Super wide input voltage range -60%~+25% for higher grid adaptability
- Dual DSP control for top performance
- Intelligent fan speed control reduce noise and prolongs fan life
- Anti-corrosion resistant coating for all PCB boards
- Full protection with input, output, bypass, maintenance bypass and battery breaker
- ECO mode and EPO function

## FLEXIBLE DESIGN

- Adjustable input and output
- Built-in battery and flexible battery configuration
- Common battery bank
- Easy onsite parallel slot modification
- Wheel design
- Options are displayed in 7 languages: English, Russian, Chinese, Spanish, Polish, Italian and Korean

# UKO-series True On-line Double Conversion UPS



MODEL		UKO-10	UKO-20	UKO-30
CAPACITY	VA	10KVA	20KVA	30KVA
	Watts	9KW or 10KW (Option)	18KW or 20KW (Option)	27KW or 30KW (Option)
<b>INPUT</b>				
Voltage (Vac)		138-485 (L-L)	80-280 (L-N) / 138-485 (L-L)	138-485 (L-L)
Phase		3:3	1:1/3:1/3:3	3:1/3:3
Frequency (Hz)		40-70		
THDi		<3%		
<b>OUTPUT</b>				
AC/AC Efficiency (Max.)		96%		
Power Factor		0.9 (1.0 Option)		
Voltage (Vac)		380/400/415 ± 1% (L-L)	220/230/240 ± 1 (L-N), 380/400/415 ± 1% (L-L)	
Frequency (Hz)		50/60 ± 0.1% (battery mode)		
THDv		THD <2% (linear load), THD <4% (non-linear load)		THD <1% (linear load), THD <3% (non-linear load)
Crest Factor		3:1		
Overload <sup>1</sup>		115%~130% load for 15 min, 131%~155% load for 1 min, >155% load: change to bypass immediately		
ECO Mode		Yes		
<b>BATTERY</b>				
Voltage (Vdc)		±120 default	±240 default	
Internal Battery		9Ah x 20	9Ah x 40	
Charging Current (A)		4 (1-10 settable)		15 (1-20 settable)
<b>OTHER</b>				
Communication Interface		RS485, EPO, dry-contact Optional: RS232, SNMP		
Display		LCD/Touch screen		
Alarm		Low battery, abnormal AC input, UPS failure, etc.		
Protection		Low battery, overload, short-circuit and over temperature, etc.		
Noise (dB)		<55	<50	
Working Temperature (°C)		-5~40		
Altitude		0 to 2,000 m at 100% load		
Relative Humidity		0 ~ 95%, no condensation		
Dimension (WxDxH)(mm)		250x755x880		300x785x1250
Weight (kg)	with Battery	96	120	197
	without Battery	50		85

1. Test condition: PF=0.9

2. Capacity will derate to 75% when battery voltage between ±144~±180

- All specifications subject to change without notice.
- Custom-made specifications are acceptable.

LEO POWER SUPPLY CO.,LTD.

27, 4th Floor, Soi Bangna-Trad Rd 34, Bangna Tai, Bangna, Bangkok 10260 THAILAND  
Tel. 0-2746-9500 e-mail : marketing@lpsups.com

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