

# LPS



## UKO Series 10KVA - 40KVA

True Online UPS

(3:3 / 3:1/ 1:1 Phase : Depend on User)



TELECOM-  
MUNICIPATIONS  
DEVICES



LOCAL AREA  
NETWORKS  
(LAN)



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



SERVERS



CASH  
REGISTERS



EMERGENCY  
SECURITY



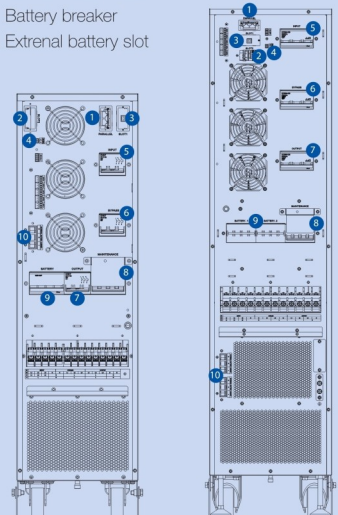
TIS.1291 Part 1-2553  
TIS.1291 Part 2-2553  
TIS.1291 Part 3-2555

## 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

### BACKSIDE

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



### 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

Continuous product development is our commitment. In that manner, the above specifications may be changed without prior notice.

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### MODEL TOWER

Model		UKO 10	UKO 20	UKO 30	UKO 40
CAPACITY	VA	10KVA	20KVA	30KVA	40KVA
	Watts	9KW or 10KW (Option)	18KW or 20KW (Option)	27KW or 30KW (Option)	36KW or 40KW (Option)
<b>INPUT</b>					
Voltage (Vac)		80-280 (L-N)/138-485 (L-L)		138-485 (L-L)	
Phase		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		1.0			
Voltage (Vac)		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)		±96 default (±96~±240 adjustable)	±192 default (±144~±240 adjustable) <sup>2</sup>		
Internal Battery		16~40 × 7AH/12V	24~40 × 7AH/12V	48~80 × 7AH/12V	
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)		250×755×880		300×785×1250	
Weight (kg)	with Battery	86 (16×7AH)	118.5 (32×7AH)	207 (64×7AH)	
	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.
- Manufactured by factory with  
ISO 9001, ISO 14001, OHSAS 18001, CE, STANDARD



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