

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



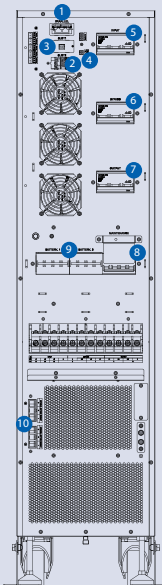
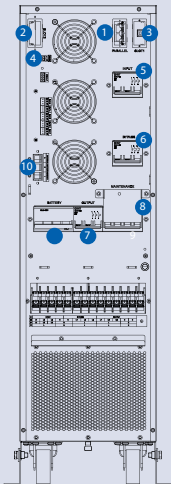
EMERGENCY
SECURITY

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)
INPUT				
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%		
OUTPUT				
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% (batterymode)		
THDv		THD <2% (linear load), THD <4% (non-linear load)		THD <1% (linear load), THD <3% (non-linear load)
Crest Factor		3:1		
Overload ¹		115%~130% load for 15 min, 131%~155% load for 1 min, >155% load: change to bypass immediately		
ECO Mode		Yes		
BATTERY				
Voltage (Vdc)		±96 default (±96~±240 adjustable)	±192 default (±144~±240 adjustable) ²	
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)
OTHER				
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 (W×D×H)(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 $\pm$ 144~ $\pm$ 180

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

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