Syskern Ed 1.0

KUPSXXKXXK192 from 15 KW to 20 KW

Online UPS 15KVA~20KVA

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- High frequency on-line double conversion technology
- Advanced DSP and 3-level technology
- Output power factor 1.0.
- Active power factor correction (APFC), input power factor up to 0.99
- High efficiency 95% (up to 98% in ECO mode)
- Advanced digital parallel technology
- Wide input voltage range (110 - 288 Vac) and frequency range (40 - 70 Hz)
- 50 / 60 Hz frequency auto sensing
- Two modes of frequency conversion: 50 Hz input/ 60 Hz output or 60 Hz input/ 50 Hz output
- Hot-swappable battery
- Flexible battery configuration (settable 16 - 20 pcs batteries)
- Digitally controlled charger
- High charging current available (Max. 12 A)
- Charging voltage and current configured by demands
- Linear derating in low voltage input reducing battery discharging limes, extending the service life of battery
- Intelligent battery management, automatic floating / equalizing charge contrai, charger dormancy contrai, increasing battery life by 50%
- Ability to switch on the UPS with batteries
- Settable delayed start lime when mains power is restored, reducing the impact on power grid or generator
- Fan speed varies intelligently with temperature, reducing noise and extending ils service life
- Equipped with self-aging function
- Compact internai layout, miniaturized the complete unit for small footprint
- LCD+LED display, multi-functional keys operation, friendly human-machine interface
- Powerful background software for parameters configuration
- Advanced multi-platform communications: RS232, USB,RS485, SNMP and dry contacts communication interfaces
- Effective software and hardware protection function, robust self-diagnostic function, and abundant event logs for check

Available Options

- RS232 and smart card slot included
- Optional parallel function, battery temperature compensation, SNMP card, USB, RS485 card, dry contacts, EMD, and SMS alarms

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THE PURPOSE

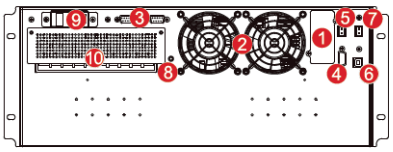
The UKN UPS Online Series in 15 kVA and 20 kVA models provides advanced, high-efficiency power protection for mission-critical environments such as data centers, industrial automation systems, hospitals, and telecommunications facilities. Designed with cutting-edge DSP-controlled double-conversion technology, these UPS systems deliver continuous, clean, and stable power to ensure operational continuity even in the most demanding conditions.

15 kVA Model – High-Performance Protection for Medium Infrastructure
The UKN 15 kVA model offers outstanding protection for medium-sized enterprise networks, high-density server rooms, and manufacturing equipment. Its true online double-conversion architecture isolates connected loads from all power disturbances, including voltage fluctuations, spikes, and harmonics. Featuring high input and output power factor correction, this model guarantees excellent efficiency and stable performance while minimizing total cost of ownership.

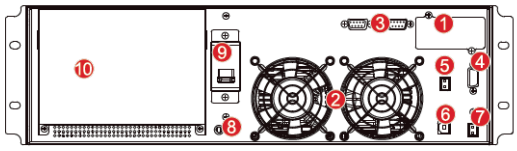
20 kVA Model – Enterprise-Level Power Assurance for Critical Applications
The UKN 20 kVA UPS is engineered to deliver maximum reliability, scalability, and power efficiency for large-scale infrastructures. With up to 95% efficiency, a power factor of 0.9, and low total harmonic distortion (THDi < 3%), it ensures optimal energy utilization and reduced thermal losses. Its modular design simplifies installation and maintenance, while the wide input voltage range and advanced battery management system enhance operational resilience and uptime.

The UKN 15 kVA and 20 kVA UPS Systems represent the ideal combination of power, intelligence, and efficiency. Built for 24/7 operation in high-demand environments, they safeguard critical systems from any power anomaly — ensuring business continuity, system integrity, and future-ready performance.

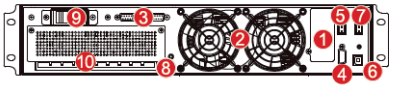
REAR PANEL

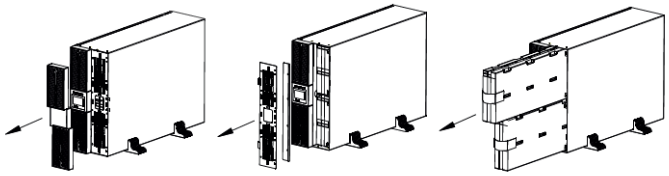


10 kVA (S) (3:1)



15/20 kVA (H) (3:1)





Easy for maintenance, hot-swappable battery (10 KVA)

1. SNMP (optional)
2. Fans
3. Parallel Port (optional)
4. RS232
5. EPO
6. USB (optional)
7. Temperature Compensation (optional)
8. GND
9. Bypass Breaker
10. Terminal and Cover

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SPECIFICATIONS

Model	KUPS20K15K192	KUPS20K20K192	
Capacity		15 kVA / 15 kW	20 kVA / 20 kW
INPUT			
Input wiring	Three-phase five-wire (3Φ + N + PE)		
Rated voltage	380 / 400 / 415 Vac		
Voltage range	190 ~ 304 Vac (linear derating between 50% and 100% load); 304 ~ 478 Vac (no derating)		
Rated frequency	50 / 60 Hz (auto-sensing)		
Frequency range	40 ~ 70 Hz		
Power factor	≥ 0.99		
Bypass voltage range	- 40% ~ +15% (settable)		
Total harmonic distortion (THDi)	≤ 5%		
OUTPUT			
Output wiring	Single-phase (L-N)		
Rated voltage	208 (PF=0.9) / 220 / 230 / 240 Vac		
Voltage regulation	± 1%		
Frequency	Synchronized to bypass in mains mode; 50 / 60 Hz ± 0.1 % Hz in battery mode		
Waveform	Sinusoidal		
Power factor	1		
Total harmonic distortion (THDv)	≤ 1% (linear load); ≤ 3% (non-linear load)		
Crest factor	3:1		
Overload	105% ~ 110% for 10 min, 110% ~ 125% for 1 min,126% ~ 150% for 30 s		
BATTERIES			
DC voltage	192 Vdc (192 ~ 240 Vdc settable)		
Number of battery	16 pcs (16 ~ 20 settable)		
Inbuilt battery (standard model)	12 V / 9 Ah × 16	/	/
Charging current	Standard model: 1 A; Long time model: 5 A (default),1 ~ 5 A settable; 10 A (optional)		
Recharge time	Standard model: 90% capacity restored in 8 hours; Long time model: depend on the capacity of battery		
SYSTEM			
Efficiency	≥ 94% at 100% load, max. 95% at 60% load, ≥ 98% in ECO mode		
Transfer time	0 ms		
Protections	Short-circuit, overload, overtemperature, battery low voltage, overvoltage, undervoltage and fan failure		
Max. number of parallel connections	4		
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP / battery temperature compensation (optional)		
Display	LCD + LED		
OTHERS			
Operating temperature	0℃ ~ 40℃		
Storage temperature	-25℃ ~ 55℃ (without battery)		
Relative humidity	0 ~ 95% (non-condensing)		
Altitude	≤ 1000 m, derating 1% for each additional 100 m		
IP rating	IP 20		
Noise level at 1 m	≤ 58 dB		
Dimensions (W × D × H) (mm)	440 × 660 × 176 (S) 440 × 650 × 88 (H)	440× 780 ×132	
Packaged dimensions (W × D × H) (mm)	554 × 792 × 418 (S) 514 × 696 × 168 (H)	554× 792 ×400	
Net weight (kg)	67 (S), 17 (H)	25.5	
Gross weight (kg)	77 (S), 19 (H)	28	

- S means standard model; H means long time model.
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PURCHASE INFO

Item	Power	Capacity	Designation	Packaging
KUPS20K15K192	15KW	15KVA	Online UPS 15KVA	1 Pc
KUPS20K20K192	20KW	20KVA	Online UPS 20KVA	1 Pc

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