

UIC SERIES 6~40kVA 3:1 phase PF: 0.8



Features

• High reliability design

Double Conversion on-line design, which makes the output a pure sine wave source with frequency tracking, phase-lock and voltage regulation, noise suppression, and without voltage fluctuation, providing the load with more comprehensive protection.

Zero transfer time of output, satisfies high standard power requirements of precision equipment.

Modular design and dual-CPU control, high reliability and stability ensure the safe operation and high efficiency.

• High reliability during operation

Pure online static bypass technology, provides a strong protection against overload and fault.

Built-in manual maintenance bypass, improves the reliability of continuous operation in result.

• Wide input range

The range of AC input voltage is $380V \pm 20\%$, thereby it reduces the battery using frequency and greatly extending the battery life.

Wide input frequency range, ensure all types of fuel generators connected work stably.

• Optimization of high-performance battery

Adapt intelligent battery management (ABM) technology, thus it extends battery life and reduces battery maintenance times.

Advanced CC (constant current) / CV (constant voltage) auto-conversion charging technology maximizes the activation of cells, thus it saves the charging time and extends the battery life.

• Comprehensive and reliable protection

Self-diagnosis function before start-up, avoid the risks that the failure may lead to.

The multi-protections such as overload, short-circuit, over-temperature, battery under voltage, battery over-charge and so on greatly ensure the system stability and reliability.

• Strong Redundancy/parallel ability

Some units can be directly connected in parallel, increasing the scalability of the system.

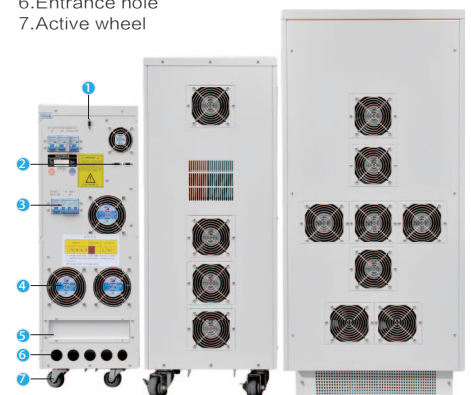
The parallel system can share common backup battery.

Non-fixed Master-Slave relationship: Among several UPS in parallel, the unit which starts firstly is the Master UPS, and the others are slave ones. If one UPS fails, the UPS will be removed from the parallel system automatically.



Control Panel

- 1.RS232 port
- 2.Parallel port
- 3.Input breaker
- 4.FAN
- 5.Connection box
- 6.Entrance hole
- 7.Active wheel



Rear Panel

- **User-friendly network management**

LCD accurately displays the status of operation and data for users.

Communication with computer can be realized by RS232 with the corresponding monitoring software.

The various parameters can be shown on the communication interface.

External SNMP adapter. The UPS with remote network management capability can provide

real-time data for communication and management through a variety of network management systems.

Technical Specifications:

MODEL	UIC60LP	UIC80LP	UIC100LP	UIC150LP	UIC200LP	UIC300LP	UIC400LP
Capacity (VA/Watts)	6k/4.8k	8k/6.4k	10k/8k	15k/12k	20k/16k	30k/24k	40k/32k
INPUT							
Operating Voltage Range	380Vac (1 ± 20%),(3Ph+N+PE)						
Operating Frequency Range	50/60HZ(1 ± 5%)						
Power Factor	>0.97(with filter)						
Max. Input Current(A)	14	18	23	34	45	68	90
OUTPUT							
Output Voltage	220Vac(1 ± 1%)						
Output Frequency	50/60Hz(1 ± 1%)						
Current Crest Ratio	3:1(Max)						
Efficiency	Online:85%			Online:90%			
Harmonic Distoriton(THDv)	<1.5% with linear load						
BATTERY							
Battery Voltage	192Vdc					240Vdc	
SYSTEM FEATURES							
Transfer Time	Utility←→Battery : 0ms						
Overload	>125%: last 1min; >150% : 200ms turn to bypass mode						
LED Display	Battery low,Mains status,Inverter,Bypass,UPS failure,Overload						
LCD Display	I/O voltage,Frequency,Battery voltage,Load level,Internal temperature						
Communication Interface	RS232,SNMP(Optional),Dry contact(Optional)						
PHYSICAL							
Dimension,W × D × H (mm)	305 × 585 × 864			409 × 798 × 1044		555 × 741 × 1200	600 × 800 × 1200
Net Weight (kg)	105	112	115	200	220	318	370
ENVIRONMENT							
Operating Temperature	0 ~ 40°C						
Storage Temperature	-25 ~ 55°C						
Humidity Range	0 ~ 95% (Non-condensing)						
Altitude	<1500m						
Noise level	<55dB						
STANDARDS							
Safety	IEC/EN62040-1;IEC/EN60950-1						
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8						

Specifications are subject to change without prior notice.