

# EPI SERIES

6 ~ 30kVA

Topology: Three-phase in to Single-phase out, power frequency, double conversion online



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



Rear Panel

## Features

### ■ High reliability Design

- Double Conversion on-line design, which makes the output a pure sine wave source with tracking frequency, phase-lock and voltage regulation, noise suppression, and without power fluctuation interference, 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, further improves the reliability of continuous operation.

### ■ Strong environmental adaptability

- 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 stable.

### ■ 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 extending 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 a group of backup battery.

· Non-fixed Master-Slave relationship: Among several UPS in parallel, the unit startup first is Master UPS, the others are Slave UPS. The master and slave can be exchanged. If the inverter of one UPS fails, the UPS will automatically cut off the output, then the load will be powered by remained UPS.

#### ■ 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	EPI6K	EPI8K	EPI10K	EPI15K	EPI20K	EPI30K	EPI40K
Capacity (VA/Watts)	6k / 4.8k	8k / 6.4k	10k / 8k	15k / 12k	20k / 16k	30k / 24k	40k / 32k
<b>INPUT</b>							
Operating voltage range	380Vac ± 20%, (3Ph+N+PE)						
Operating frequency range	50/60 Hz ( ± 5%)						
Power factor	>0.97 (with filter)						
Max. input current	14A	18A	23A	34A	45A	68A	90A
<b>OUTPUT</b>							
Output voltage	220Vac ( ± 1%)						
Output frequency	50/60Hz ( ± 1%)						
Crest factor	3:1 (max)						
Efficiency	6~8kVA: 85% online, 92% High efficiency mode 10~30kVA: 90% online, 92% High efficiency mode						
Harmonic distortion (THD)	<1.5% ( Linear load)						
<b>BATTERY</b>							
Battery voltage	192Vdc					240Vdc	
<b>SYSTEM FEATURES</b>							
Transfer time	0 ms (Line mode→ battery mode)						
Overload	>125% /1min, >150%/200ms						
LED display	Low battery voltage, Mains status, Inverter, Bypass, UPS failure, Overload						
LCD display	I/O voltage, Frequency, Battery voltage, Load percentage, Internal temperature						
Communication interface	RS232, SNMP (optional), Dry contact(optional)						
<b>ENVIRONMENTAL</b>							
Operating temperature	0 ~ 40°C						
Storage temperature	-25°C ~ 55°C						
Humidity range	0 ~ 95% (non condensing)						
Altitude	<1500m						
Noise level	<55dB						
<b>PHYSICAL</b>							
Dimension W × D × H (mm)	305 × 585 × 864		409 × 798 × 1044		555 × 741 × 1200		600 × 800 × 1200
Net weight (kg)	105	115	125	200	235	336	380
<b>STANDARDS</b>							
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 subject to change without prior notice.