



10KVA ~ 200KVA  
3 : 3 Phase

#### Advanced working mode

.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, satisfy high standard power requirements of precision equipment.  
. Input power factor is 1.0 with the filter which improves the energy efficiency, reduces the harmonic pollution of the power grid and lowers the UPS running cost.

## Working in Power

Online UPS

10-200 KVA Three-Phase / Three-Phase



- LOCAL AREA NETWORKS (LAN)
- SERVERS
- DATA CENTERS
- CASH REGISTERS
- TELECOMMUNICATION DEVICES
- E-BUSINESS (SERVERS FARMS,ISP/ASP/POP)
- INDUSTRIAL PLCS
- ELECTRO-MEDICAL DEVICES
- EMERGENCY DEVICES (LIGHTS/ALARMS)

# EXIMPOWER

Uninterruptible Power Supplies

TECHNICAL SPECIFICATION					
Model	U9010LGTLXK1	U9020LGTLXK1	U9030LGTLXK1	U9040LGTLXK1	U9060LGTLXK1
Rated Capacity	10KVA	20KVA	30KVA	40KVA	60KVA
Rated Power	9KW	18KW	27KW	36KW	54KW
INPUT					
Voltage Range	(380Vac/400Vac/415Vac) $\pm$ 25% (3PH,5W)				
Frequency Range	50/60Hz $\pm$ 5Hz auto-sensing				
Power Factor	> 0.8 (without filter) , 1 (with filter)				
Rated Output Current	15A	30A	45A	60A	90A
OUTPUT					
Voltage Range	380Vac/400Vac/415Vac $\pm$ 1%				
Frequency Range	Auto tracking the input frequency				
Waveform	Sine wave				
Power Factor	0.9 (lag)				
THD	Linear load<3%,non-linear load<5%				
Overload	110%/125%/150% : 60min/10min/1min				
Crest Factor	3 : 1 (max)				
Efficiency	88%	89%	90%	90%	91%
Transfer Time	AC mode to Battery mode : 0ms				
BATTERIES					
Voltage	384VDC				
Frequency Regulation	50Hz/60Hz $\pm$ 0.05%				
BYPASS					
Rated Voltage	380/400/415Vac				
Voltage Range Upper Limit	+10%, +15%, +20% can be set				
Voltage Range Lower Limit	-10%, -20%, -30%, -40% can be set				
Rated Frequency	50/60Hz (auto-sensing)				
Frequency Range	$\pm$ 10% ( $\pm$ 2.5%, $\pm$ 5%, $\pm$ 20% can be set)				
Transfer Time	0ms/1ms				
GENERAL CHARACTERISTICS					
Display LED	Input, inverter, bypass, battery, output status				
Display LCD	IO voltage, frequency, power factor, battery voltage & status, current, load percentage, UPS status, history record, parameters setting				
Interface	Dry contact, RS232, RS485, SNMP card				
Working Temperature	0~45°C				
Humidity	0~95% non-condensing				
Storage Temperature	-25°C ~ 55°C				
Noise (1m)	<63dB			<67dB	
Net Weight (Kg) 380V	225	275	320	335	490
Gross Weight (Kg) 380V	280	330	375	390	560
Dimension (WxDxH) mm	555*744*1220				800*760*1400
Option	Harmonic filter, SNMP adapter, LBS cables, Battery temperature sensor, Battery ground fault detection, Bypass current-sharing inductor				
EMC Standard : EMI	IEC62040-2 : the output of UPS required by EMC (>18A)				
EMC Standard : EMS	IEC61000-4-2(ESD) : Anti-static ability , IEC61000-4-3(RS) : Anti-radiation interference ability				
EMC Standard : EMS	IEC61000-4-4(EFT) : Anti-interference of power plus ability , IEC61000-4-5(Surge) : Lightning/surging protection ability				
Industry Standard	CE,EN/IEC 62040-2,EN/IEC 62040-1-1				

# EXIMPOWER

Uninterruptible Power Supplies

TECHNICAL SPECIFICATION					
Model	U9080LGLXK1	U9100LGLXK1	U9120LGLXK1	U9160LGLXK1	U9200LGLXK1
Rated Capacity	80KVA	100KVA	120KVA	160KVA	200KVA
Rated Power	72KW	90KW	108KW	144KW	180KW
INPUT					
Voltage Range	(380Vac/400Vac/415Vac) $\pm$ 25% (3PH,5W)				
Frequency Range	50/60Hz $\pm$ 5Hz auto-sensing				
Power Factor	> 0.8 (without filter) , 1 (with filter) >0.85				
Rated Output Current	120A	152A	182A	243A	304A
OUTPUT					
Voltage Range	380Vac/400Vac/415Vac $\pm$ 1%				
Frequency Range	Auto tracking the input frequency				
Waveform	Sine wave				
Power Factor	0.9 (lag)				
THD	Linear load<3%,non-linear load<5%				
Overload	110%/125%/150% : 60min/10min/1min				
Crest Factor	3 : 1 (max)				
Efficiency	91%	91%	91.5%	91.5%	92%
Transfer Time	AC mode to Battery mode : 0ms				
BATTERIES					
Voltage	384VDC				
Frequency Regulation	50Hz/60Hz $\pm$ 0.05%				
BYPASS					
Rated Voltage	380/400/415Vac				
Voltage Range Upper Limit	+10%, +15%, +20% can be set				
Voltage Range Lower Limit	-10%, -20%, -30%, -40% can be set				
Rated Frequency	50/60Hz (auto-sensing)				
Frequency Range	$\pm$ 10% ( $\pm$ 2.5%, $\pm$ 5%, $\pm$ 20% can be set)				
Transfer Time	0ms/1ms				
GENERAL CHARACTERISTICS					
Display LED	Input, inverter, bypass, battery, output status				
Display LCD	IO voltage, frequency, power factor, battery voltage & status, current, load percentage, UPS status, history record, parameters setting				
Interface	Dry contact, RS232, RS485, SNMP card				
Working Temperature	0-45 C				
Humidity	0-95% non-condensing				
Storage Temperature	-25 C ~ 55 C				
Noise (1m)	67<dB	68<dB	68<dB	70<dB	72<dB
Net Weight (Kg) 380V	575	1060	1060	1195	1380
Gross Weight (Kg) 380V	645	1240	1240	1375	1540
Dimension (WxDxH) mm	800x760x1400	1640x900x1900			
Option	Harmonic filter, SNMP adapter, LBS cables, Battery temperature sensor, Battery ground fault detection, Bypass current-sharing inductor				
EMC Standard : EMI	IEC62040-2 : the output of UPS required by EMC (>16A)				
EMC Standard : EMS	IEC61000-4-2(ESD) : Anti-static ability , IEC61000-4-3(RS) : Anti-radiation interference ability				
EMC Standard : EMS	IEC61000-4-4(EFT) : Anti-interference of power plus ability , IEC61000-4-5(Surge) : Lightning/surging protection ability				
Industry Standard	CE,EN/IEC 62040-2,EN/IEC 62040-1-1				

# EXIMPOWER

## Uninterruptible Power Supplies



### ■ Full DSP Control

The digital control brings the excellent performance, avoids the risks because of analog devices failure and makes the control system more stable and reliable.

### ■ High output power factor

The output power factor can reach 0.9 lagging which has a higher actual load capacity, saving the user's investment.

### ■ Strong environmental adaptability

The range of AC input voltage is (380V<sub>a</sub>/400V<sub>a</sub>/415V<sub>a</sub>)±25% thereby reducing the battery using frequency and greatly extending the battery life.

Wide input frequency range from 45Hz-65Hz ensure all types of fuel generators connected work stable.

### ■ Optimization of high-performance battery

Adopt intelligent battery management ABM technology thus extending battery life and reducing battery maintenance times.

Advanced floating switching and charging technology maximizes the activation of the battery, thus saves the charging time and extends the battery life.

Battery discharge time prediction When battery discharging the system detects the discharge

current and predicts the discharge time according to the battery intelligent management thus informs the users to do the appropriate measures.

The battery self-test on a regular basis to detect battery problems in time Set the start time and self-test duration according to the different time periods (monthly or weekly).

Wide battery voltage range: 320-490Vdc makes the configuration of battery quantity more flexible.

### ■ Strong overload capability

When overloaded 110%/125%/150% it can be maintained 60min./10min/10min.

### ■ Compatible with the generator

Specialty designed power walk in function reduces the in-rush current when system starts, thus lowers the requirement of the generator that the parallel system demands.

### ■ LBS synchronization

The LBS synchronization function supports the two independent power inputs which improves the reliability of the system.

### ■ Comprehensive and reliable protection

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

The multi-protections such as AC

input under/over voltage, overload, short-circuit, over-current, over bus voltage, over-temperature, fan failure, auxiliary power failure, battery under voltage, battery over-charge and so on greatly ensure the system stability and reliability.

Bypass function. When overload or UPS fails, it can transfer to bypass without interruption to provide AC power to load and provide the alarm information as well.

### ■ EPO function

An EPO button is embodied in the LCD display panel. Press the EPO button in emergency can shut down the UPS. The EPO button adapts the concave design with a transparent cover, which can avoid misuse.

### ■ User-friendly network management

Chinese/English optional LCD accurately displays the status of operation and data for users.

Communication with computer can be realized by RS232 with 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.

