

## ON-LINE UPS MASTER SERIES

### MASTER SERIES

10 ~ 30KVA  
3:1 Phase PF : 0.8



▶ CONTROL PANEL



## Features

### High reliability design

- Double Conversion on-line design, which make the output a pure sine wave source with tracking frequency, phase lock- and voltage regulation, low distortion and without power fluctuation interference, providing the load with more comprehensive protection.

### Strong protection for load

- Built-in isolation transformer, strong anti-interference ability, provides more comprehensive protection.

### Wide input range

- Wide input voltage range up to "304—456VAC, avoid frequently switching to battery mode, which adapt to the areas with harsh environment.
- Wide input frequency range, ensure all types of fuel generators connected work stable.
  - Adapt intelligent battery management (ABM) technology, thus extending battery life and reducing battery maintenance times.
- Advanced floating switching and charging technology maximize the activation of the battery, thus saves the charging time and extends the battery life.

### Battery cold start function

- The UPS can be start directly by battery group when no utility access in, which meets the emergent needs of user.

- Strong cold start ability, which can do the cold start operation when full load.

### User-friendly network management

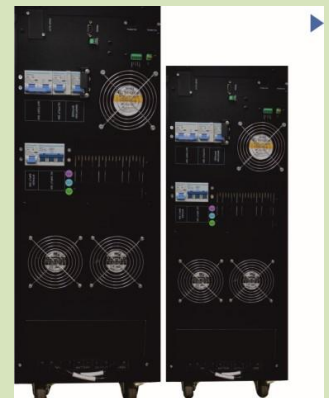
- Communication with computer can be realized by RS232 with corresponding monitoring software. The various parameters can be shown on the communication interface.
- External SNMP adapter. The UPS with remote network management capability can provide real-time data for communication and management through a variety of network management systems.

### Comprehensive and reliable protection

- Self-diagnosis function before start-up, avoid the risks that the failure may lead to.
- The multi-protection such as overload, short-circuit, over temperature, battery under voltage, battery over-charge and so on greatly ensure the system stability and reliability.

### REAR PANEL

- Input breaker
- FAN
- Connection Box
- Entrance Hole
- Active Wheel



## Technical Specifications:

	L3110	L3115	L3120	L3130
Capacity (KVA / KW)	10 / 8	15 / 12	20 / 16	30/24
<b>INPUT</b>				
Operating voltage range	380VAC(+/-20%,(3ph+N+PE))			
Operating frequency range	50/60Hz			
Power factor	>0.97 (with filter)			
<b>OUTPUT</b>				
Output voltage	220VAC( +/-0.5%)/230Vac(+/-0.5%)			
Output frequency	50/60Hz( +/-0.5%)			
Crest factor	3:1 (max)			
Efficiency	> 92% online			
Harmonic distortion (T HD)	< 1.5% (Linear Load)			
Power Factor	0.8 (0.9 Optional)			
<b>BATTERY</b>				
Battery Voltage	192 VDC			240 VDC
Battery Types	SMF VRLA / TUBULAR			
<b>SYSTEM FEATURES</b>				
Transfer Time	0 ms (Line mode Battery mode)			
Overload	200ms			
LED display	Battery low, 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 x D x H (mm)	305 x 585 x 864	409 x 798 x 1044		430 x 830 x 1100
Net weight (kg)	138	255		255
<b>STANDARDS</b>				
Safety	IEC/EN62040-1;IEC/EN62477-1			
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.

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