

Industrial Type Design
Suitable for All Applications



U-LT Series 10-1000kVA

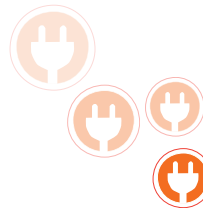
True On-Line Double Conversion Isolated UPS

U-LT31 — 3 Phase Input / 1 Phase Output

U-LT33 — 3 Phase Input / 3 Phase Output

Features

- True On-line Double Conversion
- IGBT Inverter and Output Isolation Transformer
- 3 phases UPS allow 100% Unbalance Load
- Fully Double DSP Control, High Reliability and Performance
- Automatic & Manual Static Bypass Switch
- Wide Input Voltage Range
- DC Cold Start Function
- Advanced Battery Charging Management
- Intelligent Fan Speed Control
- Eco Mode and EPO Function
- Intelligent Multi -Type Communication Ports
- Advanced No - master-slave N+X Parallel Technology (optional)
- Intelligent Battery Monitor System - MMBM (optional)
- 6 Pulse / 12 Pulse Rectifier (optional)
- Bypass Isolation Transformer (optional)



Applications :

- Computer & Networking
- Industrial Equipment
- CNC & Wire cut & PLC
- Robot & Laser-Welding
- Medical & Lab Equipment
- Metrology & Precision Devices
- Logistics & Telecoms
- Financial & Securities

* SPECIFICATIONS : True On-line Double Conversion With Isolated Transformer

		U-LT Series																
Appearance >																		
MODEL		3110L / 3110S	3115L / 3115S	3120L	3130L	3140L	3150L	3160L										
***U-LT31	3P Input / 1P Output	3110L / 3110S	3115L / 3115S	3120L	3130L	3140L	3150L	3160L										
***U-LT33	3P Input / 3P Output	3310L	3315L	3320L	3330L	3340L	3350L	3360L	3380L	33100L	33120L	33160L	33200L	33300L	33400L	33500L		
Power Rating	kVA	10	15	20	30	40	50	60	80	100	120	160	200	300	400	500		
	kW	*7 / 8	*10.5 / 12	*14 / 16	*21 / 24	*28 / 32	*35 / 40	*42 / 48	64	80	96	128	160	240	320	400		
INPUT	-Rectifier																	
Voltage (Vac)	U-LT31 (3P / 1P) : 380 / 400, **208 / **220 ± 25 % (3P4W + PE) , U-LT33 (3P / 3P) : 380 / 400, **208 / **220 ± 20 % (3P4W + PE)																	
Frequency (Hz)	50 / 60 ± 10% (50 / 60Hz Settings)																	
Soft Start Capability	0 ~ 100% : 5 Secs																	
OUTPUT	-Inverter																	
Voltage (Vac)	3P Input / 1P Output	220 ± 1% (1P2W + PE)							-									
	3P Input / 3P Output	380 / 400, 208 / 220 ± 1% (3P4W + PE)																
Frequency (Hz)	50 / 60 ± 0.1% (Inverter Mode)																	
Wave Form	Pure Sine Wave, THD ≤ 2% (Linear Load)																	
Unbalance Load Voltage	≤ 2%, Compatible 100% Unbalance																	
Efficiency (%)	> 95% (Full Load)																	
Power Factor	0.8																	
Overload	3P Input / 1P Output	125% Load for 1 min, 150% Load for 20 Secs							-									
	3P Input / 3P Output	110% Load for 30 mins, 125% Load for 10 mins, 150% Load for 1 min																
Transfer Time	0 msec																	
BATTERY																		
Voltage (Vdc)	3P Input / 1P Output	192			348				-									
	3P Input / 3P Output	348 (348 / 360Vdc Flexible Configuration)																
Battery	Type	Sealed Lead - Acid Maintenance Free																
	3P Input / 1P Output	External / 12V 7Ahx32	External / 12V 7Ahx48	External				-										
	3P Input / 3P Output	External																
Charger Current (A)	3P Input / 1P Output	3/4.5A			10 ~ 20A Setting				-									
	3P Input / 3P Output	10 ~ 40A Setting											20 ~ 80A Setting					
Battery Self - Testing	Automatically Alarm and Estimate Battery Status in Battery Abnormal Status																	
SYSTEM FEATURES																		
Maintenance Bypass	3P Input / 1P Output	Optional			Yes				-									
	3P Input / 3P Output	Yes																
Communication Interface	RS232 / RS485 and Dry Contacts (USB / J-BUS / MODBUS / PROFIBUS / HTTP / SNMP are Optional)																	
Display	LCD Display Indicates Frequency, Voltage, Load, Battery Voltage, etc. LED Indicates Running Status																	
Alarm	Overload, Abnormal AC Input, Low Battery, UPS Failure																	
Protection System	Automatic Self - Diagnostics Test, Input Over & Under Voltage, Output Over & Low Voltage, Output Stabilizer, Overload, Low & End - Discharger Battery, MOV Surge & Short - Circuit, EMI & RFI Noise Filter, Over Temperature, **Reverse Energy Absorber.																	
Audible Noise (dBA)	< 55																	
Working Temperature	0 ~ 40°C																	
Relative Humidity	0 ~ 95% (Non - Condensation)																	
PHYSICAL																		
Dimension (cm) (W x D x H)	3P Input / 1P Output	35 x 78.5 x 65 / 40 x 80 x 118			40 x 80 x 118				-									
	3P Input / 3P Output	50 x 80 x 118				80 x 80 x 160				100 x 80 x 180				160 x 100 x 180		220 x 100 x 200		420 x 100 x 200
Weight (Kg)	3P Input / 1P Output	143/230	173/320	203	225	273	304	320										
	3P Input / 3P Output	195	220	240	290	450	470	490	690	725	775	905	1190	2200	2300	3300		

* Specifications are subject to change without prior notice.

Spec. STD.14-10-14

** Optional of Specifications

*** Model : U-LT/B31xxx & U-LT/B33xxx are Parallel UPS.



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