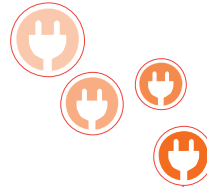


U-LT Series 1-15kVA

True On-Line Double Conversion Isolated UPS
U-LT11 — 1 Phase Input / 1 Phase Output

Features

- True On-line Double Conversion (VFI Class)
- Multiple CPU Intelligent Control
- Output Isolated with Transformer
- IGBT & PWM Inverted Technology
- Wide Input Voltage Range
- DC Cold Start Function
- Automatic & Manual Static Bypass Switch
- Advance Battery Charging Management
- Temperature based Fan Speed Control
- Eco Design with High Efficiency & Low THD
- EPO Emergency Power Off Function
- UPS Hot Standby Serial Redundancy Capability
- Advanced No - Master - Slave N + X Parallel Technology (optional)
- UPS Management Software (optional)



Applications :

- Industrial Automatic Control
- Medical Instrument
- Office Automation
- Production Equipment
- Electronic & Telecom
- Aeronautics & Astronautics
- Army Technology
- Securities System
- Laboratory Equipment
- CNC & Wire cut & PLC

* SPECIFICATIONS : True On-line UPS with Isolated Transformer

| | | U-LT Series | | | | | |
|--|--------------------|--|-----------------------------------|-----------------------------------|--|------------------------------------|----------|
| Appearance > | | | | | | | |
| MODEL | | 1101S | 1102S | 1103S | 1106S | 1110S | 1115S |
| ***U-LT-S | Standard UPS ▶ | | | | | | |
| ***U-LT-L | Long Back-up UPS ▶ | | | | | | |
| Power Rating | kVA | 1 | 2 | 3 | 6 | 10 | 15 |
| | kW | 0.7 / **0.8 | 1.4 / **1.6 | 2.1 / **2.4 | 4.2 / **4.8 | 8 | 12 |
| INPUT | -Static Rectifier | | | | | | |
| Voltage (Vac) | | 100 / 110 / 120V or 220 / 230 / 240V ± 27% (1P2W + PE) | | | 100 / 110 / 120V or 220 / 230 / 240V ± 25% (1P2W + PE) | | |
| Frequency (Hz) | | 50 / 60 ± 10% (Selectable) | | | | | |
| Input Power Factor | | > 0.97 | | | | | |
| OUTPUT | -Static Inverter | | | | | | |
| Voltage (Vac) | | 100 / 110 / 120V or 220 / 230 / 240V ± 1% (1P2W + PE) | | | | | |
| Frequency (Hz) | | 50 / 60 ± 0.1% | | | | | |
| Wave Form | | Pure Sine Wave, THD < 2% (Linear Load) | | | | | |
| Power Factor | | 0.7 or **0.8 | | | | | |
| Transfer Time | | 0 msec (Mains ↔ Inverter by Static Transfer Switch) | | | | | |
| Efficiency | | > 95 % (AC To AC at Full Load and Normal DC Voltage) | | | | | |
| Crest Ratio | | 3 : 1 | | | | | |
| Overload Capacity | | 125% Load or 60 Seconds, 150% Load for 30 Seconds | | | | | |
| BATTERY | | | | | | | |
| Voltage (Vdc) | | 48 | 96 / 192 (Optional) | 192 | | | |
| Battery | Type | Seal Lead - Acid Maintenance Free (5 Years Life Time Design / 10 Years Life Time for Option) | | | | | |
| | | Standard UPS ▶ | 12V 7Ah x 4 | 12V 7Ah x 8 | 12V 7Ah x 16 | 12V 7Ah x 32 | |
| | Long Back-up UPS ▶ | External | | | | | |
| Charger | Recharge time : | 5 Hrs To 90% With Quick Charging / 8 Hrs To 90% With Normal Charging Function | | | | | |
| | Current (A) : | 1 / 4.5 | | 1 / 8 | | 2 / 6 | |
| DC Bus Design | | Insulated Structure To Protect Battery Short Circuit | | | | | |
| Back-up Time | Standard UPS ▶ | 10 ~ 30 Mins Depends On Load | | | | | |
| | Long Back-up UPS ▶ | Back-up Time Can be as Long as Your Battery Set Can Afford | | | | | |
| OTHERS | | | | | | | |
| Communication Interface | Interface Ports : | RS232 & RS485 (2-in-1), Dry Contact (USB and SNMP are Optional) | | | | | |
| | UPS Software : | Monitoring And Management Software Supprt to All Major O.S., Including Windows, Linux, Sco - Unix & DOS | | | | | |
| Hot Standby System | | Serial Connect Two UPS With Hot Standby System (Main UPS And Standby UPS) in Case of Main UPS Failure the Main UPS is Switched to Bypass Status and Standby UPS Supplier Power to the Load. If the Main UPS is in Bypass Status and the Standby UPS Failure. The Utility Supply Power to the Load. | | | | | |
| Remote Control (Optional) | | Independent Digital Remote Control at The Distance of 1000 Meters Supported By RS485, which Realizes Remote Monitor Safe and Easy. | | | | | |
| Port Communication (Optional) | | The Port Allows to Through 2A Currency, Convenient and Safe | | | | | |
| Parallel Function (Optional) | | Random Extending or N+1 / N+X Redundancy Parallel Connection (Only Applicable to the Parallel Models) | | | | | |
| Display Panel | LED Indicator : | Line Input : Normal / Abnormal, Inverter : ON / OFF, Bypass : ON / OFF, UPS Fault. | | | | | |
| | LCD Display : | Line Input : Normal / Fail, Battery : Normal / Low - Abnormal, Inverter : ON / OFF, UPS : ON / OFF, Buzzer : Active / Inactive / ON / OFF, Input & Output Volts, Input & Output Frequency, Load levels, Battery Volts, Charger : Active / Inactive. | | | | | |
| Buzzer Alarms | | Abnormal AC Input, Over load : ≥ Full load, ≥105%, ≥125%, ≥150%, Battery Low & Battery Protection point, Over Temperature, Output Over & Low Voltage, Short Circuit. | | | | | |
| Protection | | Auto Self - Test, EMI / RFI Noise Filter, Surge & Short Circuit, Low Battery, Overload, Over Temperature, Output Over Voltage, Output Low Voltage, Output Stabilizer | | | | | |
| Noise (dB) | | ≤ 45 At 1 M | | | | | |
| Working Temperature / Relative Humidity | | 0 ~ 45°C / 0 ~ 95% (No Condensation) | | | | | |
| PHYSICAL | | | | | | | |
| Dimension : Standard / Long Back-up W x D x H (mm) | | 230 x 620 x 470 | 230 x 635 x 690 / 230 x 620 x 470 | 230 x 635 x 690 / 230 x 610 x 470 | 400 x 800 x 1180 / 300 x 610 x 530 | 400 x 800 x 1180 / 300 x 780 x 720 | |
| Weight (Kg) : Standard / Long Back-up | | 48 / 36 | 74 / 49 | 82 / 44 | 91 / 45 | 308 / 65 | 500 / 90 |

* Specifications are subject to change without prior notice.
 ** Optional of Specifications
 *** 110V, 120V systems are available and with some different parameters.
 *** PARALLEL UPS Model : U-LT/B

Spec. 14-01-21



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