



LanPro[®] 10-11

LanPro[®] 11U Series 5-10 kVA Single Phase Uninterruptible Power Supply (UPS)

The GE LanPro[®] 11U is a robust, high-performance UPS system that provides power protection for a wide range of mission-critical applications. Every LanPro unit operates in a double conversion mode with true continuous on-line VFI (voltage and frequency independent) operation, thus yielding maximum levels of power protection even under the toughest conditions. In addition, the GE LanPro UPS is easy to install and service, even in an office environment. Its robust design makes it suitable for traditional industrial applications as well.

To achieve redundancy or to increase power capacity, GE's unique Redundant Parallel Architecture™ (RPA™) technology enables the LanPro series to parallel up to four units in a flexible and cost effective manner. In the RPA system, every UPS is controlled in a true peer-to-peer configuration with redundancy in all critical elements and functions. This advanced technology provides the highest possible system reliability for mission critical applications eliminating any single points of failure associated with other types of UPS systems. The RPA system precisely synchronizes the output phase and automatically shares the load supported by each of the UPS.

Through their complete life cycle, every GE UPS system is fully supported by GE's Global Services team, which provides world-class, 24 x 7 preventive and corrective services, training and application expertise.

FEATURES & BENEFITS

- High input power factor (1.0) and low input distortion prevents disturbances to other electrical equipment, thus eliminating the need for costly filters or oversized feeders
- Compact footprint, easily transportable, robustly designed system with low audible noise suitable for both office and industrial environments
- Utilizes high-frequency PWM (Pulse Width Modulation) digital control technique resulting in extremely low output distortion and fast transient response eliminating the need for over-sizing the UPS
- Intelligent Energy Management™ (ECO-mode) enables automatic energy savings under stable power conditions
- Redundant Parallel Architecture™ (RPA™) increases system reliability by eliminating single points of failure without increasing overall system complexity
- Superior Battery Management (SBM) enhances battery lifetime resulting in reduced cost of operation
- Fully isolated output providing additional critical power protection
- Robustly designed to handle short-circuit, high overload and over-heating conditions, thus reducing maintenance and service costs
- LanPro's High Crest Factor (5:1) capability makes it ideal for computer loads while eliminating the need to oversize the UPS
- Very wide AC-input voltage capability minimizing the need to switch to batteries which results in increased battery life
- Integrated internal manual maintenance bypass reducing the need for external equipment
- Fully compliant with international standards for VFI (IEC 62040-3) operation providing full power protection for demanding critical applications
- Automatic start-up procedure and a user-friendly interface with multi-language capability simplifying UPS operation
- Every GE UPS can be monitored and managed via LAN, serial/modem connection or through the Internet
- UPS management software facilitating operation and maintenance of the UPS
- Three available slots for options such as: SNMP plug-in card, potential-free relay contacts, RPA and RS232/contact interface providing maximum flexibility

AVAILABLE OPTIONS

- Battery systems for extended back-up times
- External (full wrap-around) maintenance bypass
- RPA™ kit: Any GE UPS can be easily field-configured for Redundant Parallel Architecture™
- SNMP card: This optional plug-in card allows the UPS to be managed using industry-standard protocols on an existing network management system or by using GE's Java-based JUMP™ Management Software
- Relay plug-in card that provides four potential-free contacts for low battery, bypass active, utility failure and summary alarm
- Seismic Anchor Kit to meet Seismic Zone 4 standards
- Power Distribution Unit (PDU) containing 4 x NEMA 5-20R, 2 x NEMA L6-30R and 1 x NEMA L14-30R power sockets

Technical Specifications-UL approved

Topology	True on-line, double conversion (VFI) with integral static switch and internal maintenance bypass					
Technology	Advanced high-frequency PWM strategy utilizing IGBT technology					
Operating Modes	True on-line double conversion, automatic bypass, frequency converter, RPA up to four units					
Model UL	LP5-11U	LP5-11U 120	LP6-11U	LP6-11U 120	LP8-11U	LP10-11U
Output Power Rating kVA	5	5	6	6	8	10
Output Power Rating kW	4	4	4.8	4.8	6.4	8
Typical Back-up Time for 50%/100% Load	25/10 min	25/10 min	20/8 min	20/8 min	29/11 min	22/8 min
Dimensions WxDxH (inches) A: 12.3" x 28.7" x 26.8" B: 12.3" x 28.7" x 39.2"	A	B	A	B	A	A
Net Weight Including Batteries	295lbs	386lbs	295lbs	386lbs	386lbs	410lbs
Input Voltage (VAC) Nominal Voltage Range @ 100% Load Voltage Range @ 50% Load	208V 162-285V 146-285V	120V 81-141V 72-141V	208V 162-285V 146-285V	120V 81-141V 72-141V	208V 162-285V 146-285V	208V 162-285V 146-285V
Input Power Factor	0.99					
Input Frequency	40-70					
Output Voltage (VAC) (sinusoidal)	120+208+220/230/240 User Selectable					
Output Frequency	60 or 50 Hz					
Output Voltage Regulation	+/-1%					
Output THD at Linear Load	<1%					
Output THD at Non-linear Load (2.5:1)	<2%					
Crest Factor Handling Capacity of a Non-linear Load	5:1					
Audible Noise (Load and Temperature Dependent)	40-50dB (A)					
Ambient Operating Temperature	14°F to 104 °F (-10 °C to +40 °C)					
Humidity	95% non-condensing					
Overload Capability on Inverter	110% 20 min., 130% 3.5 min., 150% 2 min.					
Color	Cubicle: RAL 9010 (white); Front panel: RAL 9006 (aluminum)					
Environment	IP20 (IEC 60529)					
Classifications and Listings	UL, C-UL: UL 1778; CE: EN 50091-1-1; EN 60950; IEC 950					
EMI	FCC Part 15 Class A/EN 50091-2					
Surge Protection	IEC 1000-4-5 (6kV 1.2/50 µsec – 3kA 8/20 µsec) IEEE 587 B, EN 50091-2					
Standard Connectivity	RS232; programmable alarm contacts; SNMP (optional)					
Warranty	24 months					

Specifications subject to change without notice.



GE Digital Energy



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