



Liebert 600 150kVA

To Receive Detailed Quotation Call: 800-306-1125

Condition	Pre-Owned
Model	600
Part Number	UDA63150A27A073
Phase	3 Phase
KVA	150kVA
Input Voltage	480VAC
Output Voltage	480VAC
Frequency (Hz)	60
Dimensions H x W x D	Inches 78" x 56" x 33"
Weight	2,990 lbs
Warranty	90 Days Parts
Runtime Batteries	Optional Not Included
Price	\$ 10,000.00



Wall-mount Bypass not included, but available.

Data Sheet: <http://unitedpb.com/ups/liebert.asp>

Hardware Description:

Unit has some scratches on panels that happened in transit. Can be painted for additional 500.00 prior to shipment.

(1) Liebert 600 150kVA

(1) Wall-mount Bypass not included, but available 1,500.00

No Battery Cabinets Included, but non line & match cabinets available upon request.

Standard Features

- LCD 80-character x 25 line monitor/control panel
- Self-diagnostics
- 2-stage battery charge current limit
- 2-stage input AC current limit
- Internal maintenance bypass
- Programmable automatic retransfer
- Automatic line-drop compensation
- Battery overdischarge protection
- Battery-time-remaining display
- Automatic equalize charge timer
- Emergency Power Off

BUY

SELL

LEASE

RENT

TRADE

UPS RATING		LOAD POWER FACTOR	AC INPUT/ OUTPUT VOLTAGE	%EFFICIENCY AT VARIOUS LOADS ¹			NOMINAL BATTERY REQUIREMENTS (CELLS)	MAXIMUM HEAT DISSIPATION (BTU/HR) FULL LOAD	DIMENSIONS WxDxH ² (INCHES)		APPROXIMATE WEIGHT ²	
kVA	kW			50%	75%	100%			TOP ENTRY ONLY	TOP & BOTTOM ENTRY	SMS	MMU
65	52	0.8	480/480	92.5%	93.5%	93.5%	240	12,350	N/A	34x32x68	1,500	1,470
65	52	0.8	480/208	92.5%	93.0%	93.0%	240	13,350	N/A	34x32x68	1,700	1,670
65	52	0.8	208/208	92.0%	92.0%	92.0%	240	15,450	N/A	34x32x68	1,900	1,870
80	64	0.8	480/480	92.5%	93.5%	93.5%	240	15,200	N/A	34x32x68	1,700	1,670
80	64	0.8	480/208	92.5%	93.0%	93.0%	240	16,450	N/A	34x32x68	1,950	1,920
80	64	0.8	208/208	92.0%	92.0%	92.0%	240	19,000	N/A	34x32x68	2,100	2,070
100	80	0.8	480/480	92.5%	93.5%	93.5%	240	19,000	48x33x78	56x33x78	2,500	2,465
100	80	0.8	480/208	92.5%	93.0%	93.0%	240	20,550	48x33x78	56x33x78	2,800	2,765
100	80	0.8	208/208	92.0%	92.0%	92.0%	240	23,750	48x33x78	56x33x78	3,100	3,065
125	100	0.8	480/480	92.5%	93.5%	93.5%	240	23,750	48x33x78	56x33x78	2,600	2,565
125	100	0.8	480/208	92.5%	93.0%	93.0%	240	25,700	48x33x78	56x33x78	2,900	2,865
125	100	0.8	208/208	92.0%	92.0%	92.0%	240	29,700	48x33x78	56x33x78	3,250	3,215
150	120	0.8	480/480	93.0%	94.0%	94.0%	240	26,150	48x33x78	56x33x78	2,850	2,800
150	120	0.8	480/208	93.0%	93.5%	93.5%	240	28,450	N/A	56x33x78	3,050	3,000
150	120	0.8	208/208	93.0%	92.5%	92.5%	240	33,200	N/A	56x33x78	3,320	3,270

Modern business facilities — in all industries — need reliable electric power in order to function. So, when planning an expansion or upgrade of your facility, demand the most reliable Uninterruptible Power System (UPS) ever built — the Liebert Series 600T.

The Series 600T is the newest member of the Series 600 line, retaining the best elements of the original product while adding transistorized inverters and new packaging technologies. Introduced to the North American market in 1995, the Series 600T is also available in 50 Hz models for Europe, Asia and Latin America.

These new products are industry leaders in every key respect: demonstrated reliability in field operation, compact footprint, efficiency, operator controls, and the widest range of choices for dual-load-bus system configurations.

DOCUMENTED RELIABILITY

The Liebert Series 600 has proven itself the most durable UPS in the industry. Our database of installed systems has information on all of the Series 600 UPS systems shipped since original product introduction more than a decade ago. Based on actual field performance, our Series 600 equipment has **demonstrated a critical bus MTBF of more than 1,000,000 hours.**

BIG PERFORMANCE IN A COMPACT BOX

All of the Series 600T models have an exceptionally small footprint, even those with input isolation transformers and 12-pulse rectifiers. For example, a standard 500 kVA module with 6-pulse rectifier is just 6 feet wide, while the top-of-the line 750 kVA module with input isolation transformer and 12-pulse rectifier is just 10 feet wide. In some cases, a facilities manager can install two Liebert UPS modules in the space formerly required by just one.

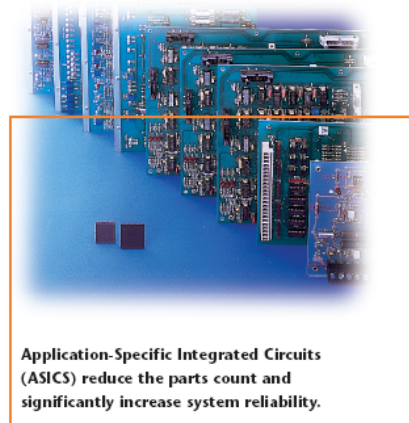
OUTSTANDING EFFICIENCY

The Series 600T has excellent operating efficiency in all configurations and with all types of loads. Even with input isolation transformer and 12-pulse rectifier, the 600T is better than 92.5% efficient from 50% through 100% load. Versions with the standard 6-pulse rectifier are approximately 94% efficient throughout this range.

THE RIGHT TRANSISTORS FOR THE JOB

The 600T inverter takes full advantage of the latest-generation IGBTs. Earlier IGBTs could not have done the job unless they were used in parallel, a violation of Liebert's high-reliability design principles. Our designers waited until the right devices became available.

Some other manufacturers — in their haste to “get transistorized” — used conventional bipolar transistors or bipolar Darlingtons, often putting their power semi-conductors in parallel to achieve the higher power ratings. Even after switching to IGBTs, some manufacturers continue their practice of using transistors in parallel. Some resort to paralleling entire inverter modules to reach higher power levels. By contrast, our exclusive inverter design puts less stress on each power semiconductor and eliminates the need for paralleling devices.



Application-Specific Integrated Circuits (ASICs) reduce the parts count and significantly increase system reliability.

Input

- Voltage: 208, 400 or 600 VAC, 3-phase, 3-wire plus ground
- Voltage Range: +10, -15% (no battery discharge at -20%)
- Power Factor: 0.85 lagging; 0.92 lagging with optional input filter.
- Frequency Range: 60 Hz, $\pm 5\%$. Frequency change models available (50 Hz in/ 60 Hz out or 60 Hz in/ 50 Hz out)
- Current Distortion: 7% reflected THD at full load with optional input filter. 4% reflected THD at full load with optional 12-pulse rectifier and input filter.
- Subcycle Magnetizing Inrush: 2-3 times normal full load current; 5-8 times normal for units with optional input isolation transformer or 12-pulse rectifier. Walk-in of 20% to 100% over 15 seconds.

Output and Bypass

- Voltage: 200, 480 or 600 VAC, 3-phase, 3-wire or 4-wire.
- Voltage Adjustment: $\pm 5\%$
- Voltage Regulation: $\pm 0.5\%$ for balanced load; $\pm 2\%$ for 50% unbalanced load.
- Dynamic Regulation: $\pm 5\%$ deviation for 100% load step. $\pm 4\%$ deviation for 50% load step. $\pm 1\%$ for loss or return of AC input. Manual return of load to UPS: $\pm 4\%$.
- Transient Response Time: Recover to $\pm 1\%$ of steady state within 16 milliseconds (1 cycle).
- Voltage Distortion: For linear loads, less than 4% THD. Maximum of 2% RMS for any single harmonic. Less than 5% THD for 100% nonlinear loads without kVA/kW derating.
- Phasing Balance: $120^\circ \pm 1^\circ$ for balanced load. $120^\circ \pm 3^\circ$ for 50% unbalanced load.
- Frequency Regulation: $\pm 0.1\%$
- Load Power Factor Range: 1.0 to 0.7 lagging without derating.
- Overload: 125% of full load for ten minutes. 150% for 30 seconds. 104% continuous.
- Fault-Clearing Current: Up to 1,000% for 16 milliseconds. Up to 500% for 40 milliseconds.

Environmental

- Operating Temperature: 0° to 40°C without derating.
- Non-Operating Temperature: -20°C to 70°C .
- Humidity: 0-95% relative humidity without condensation.
- Operating Altitude: Up to 1,200 meters without derating.
- Non-Operating Altitude: Up to 15,000 meters.

Standard Features

- LCD 80-character x 25 line monitor/control panel
- Self-diagnostics
- 2-stage battery charge current limit
- 2-stage input AC current limit
- Internal maintenance bypass
- Programmable automatic retransfer
- Automatic line-drop compensation
- Battery overdischarge protection
- Battery-time-remaining display
- Automatic equalize charge timer
- Emergency Power Off
- Output isolation transformer

Options and Accessories

- Input filter/power factor correction
- 12-pulse rectifier input
- Power-Tie[®] Dual-Bus System
- Load Bus Sync™ (for dual load bus systems)
- Input isolation transformer
- Bypass isolation transformer
- Maintenance bypass cabinet
- Power distribution unit (single or dual input)
- Standard and custom switchgear packages
- Valve-regulated lead-acid battery packs
- Flooded rack-mounted battery systems
- SNMP capabilities
- SiteScan centralized monitoring system
- Remote monitor panel
- Communications interfaces
- Alarm status contacts
- Customer alarm inputs
- Frequency-change models (50 Hz in/60 Hz out, or 60 Hz in/50 Hz out)
- Flywheel Energy Storage System interface