

LIEBERT® NXL™, 250-400kVA, SINGLE-MODULE SYSTEM - SITE PLANNING DATA

Table 1 Site planning data—250-400kVA

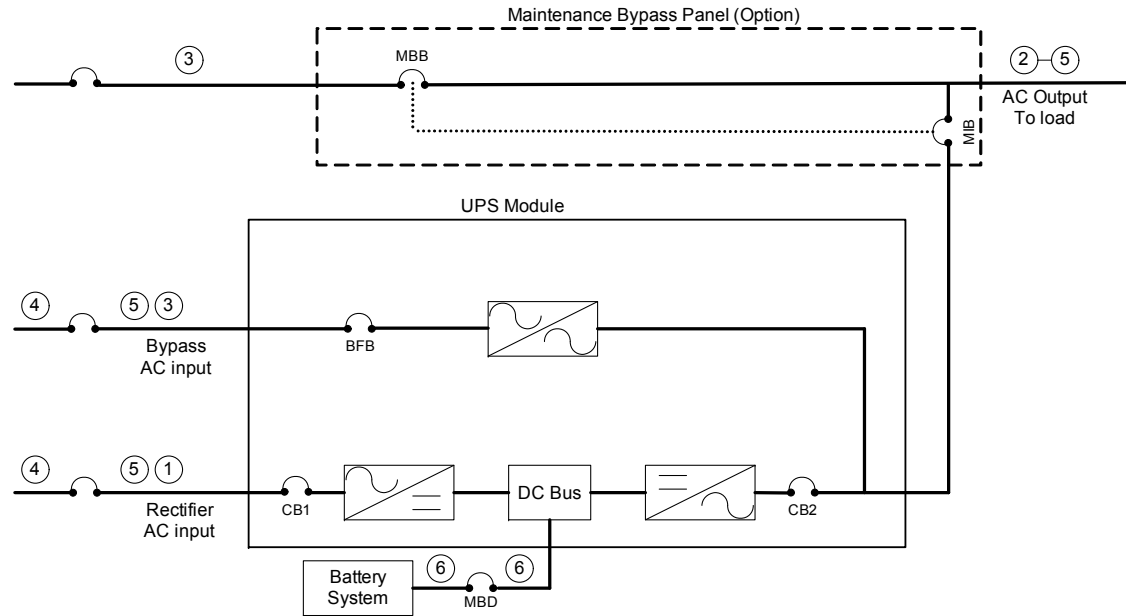
UPS Rating		AC Input/Output Voltage, VAC	Input Isolation Transformer	Rectifier AC Input Current		Bypass/Output AC Output Current	Maximum Battery Current at End of Discharge (A)	Maximum Heat Dissipation Full Load, BTU/h (kW)	Dimensions WxDxH, in. (mm)	Approximate Weight Unpacked, lb. (kg)
kVA	kW			Nom	Max	Nom				
250	225	480	NO	312	389	301	615	53,592 (15.7)	71.8x33.5x76.8 (1823x850x1950)	3965 (1798)
250	225	575		260	326	251		53,662 (15.7)	78.5x33.5x76.8 (1993x850x1950)	4975 (2257)
250	225	600		250	312	241		61,890 (18.1)		4840 (2195)
300	270	480		371	464	361	730	64,311 (18.8)	78.5x39.4x76.8 (1993x1000x1950)	5440 (2468)
300	270	575		308	386	301		74,173 (21.7)		6280 (2849)
300	270	600		296	369	289		86,265 (25.3)	6925 (3141)	
400	360	480		497	621	481	980	74,173 (21.7)	78.5x39.4x76.8 (1993x1000x1950)	6280 (2849)
400	360	575		419	524	402	990	86,265 (25.3)	114.5x39.4x76.8 * (2908x1000x1950)	6925 (3141)
400	360	600		401	502	385				
See Notes below:				—	1,4,5,7,8,9,11,12		2,3,5,7,8,9,11,12	6,8,9,11,12	—	—

* Deduct 16.1 inches (409mm) when battery cabinets are attached.

Notes for Table 1

- Nominal rectifier AC input current (considered continuous) is based on full rated output load. Maximum current includes nominal input current and maximum battery recharge current (considered noncontinuous). Continuous and noncontinuous current limits are defined in NEC 100. Maximum input current is controlled by current limit setting which is adjustable. Values shown for maximum setting are 125% of nominal input current.
- Nominal AC output current (considered continuous) is based on full rated output load. Maximum current includes nominal output current and overload current for 10 minutes.
- Bypass AC input current (considered continuous) is based on full rated output load.
- Emerson recommends that feeder protection (by others) for the rectifier AC input and the bypass AC input be provided by separate overcurrent protection devices.
- UPS output load cables must be run in separate conduit from input cables.
- Power cable from module DC bus to battery should be sized for a total maximum 2.0 volt line drop (power cable drop plus return cable drop as measured at the module) at maximum discharge current.
- Grounding conductors to be sized per NEC 250-95. Neutral conductors to be sized for full capacity—per NEC 310-16, Note 10—for systems with 4-wire loads and 20% minimum capacity for 3-wire loads.
- Rectifier AC Input: 3-phase, 3-wire, plus ground
AC Output to Load: 3-phase, 3- or 4-wire, plus ground
Bypass AC Input: 3-phase, 3- or 4-wire, plus ground
Module DC Input from Battery: 2-wire (positive and negative), plus ground
- All wiring is to be in accordance with National and Local Electrical Codes.
- Minimum overhead clearance is 2 ft. (0.6m) above the UPS.
- Top or bottom cable entry through removable access plates. Cut plate to suit conduit size.
- Control wiring and power cables must be run in separate conduits. Control wiring must be stranded tinned conductors.
- 10% maximum reflected input harmonic current and 0.92 lagging input power factor at full load.





The Liebert NXL is compatible with high resistance ground systems. See your local Vertiv™ representative for details.



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