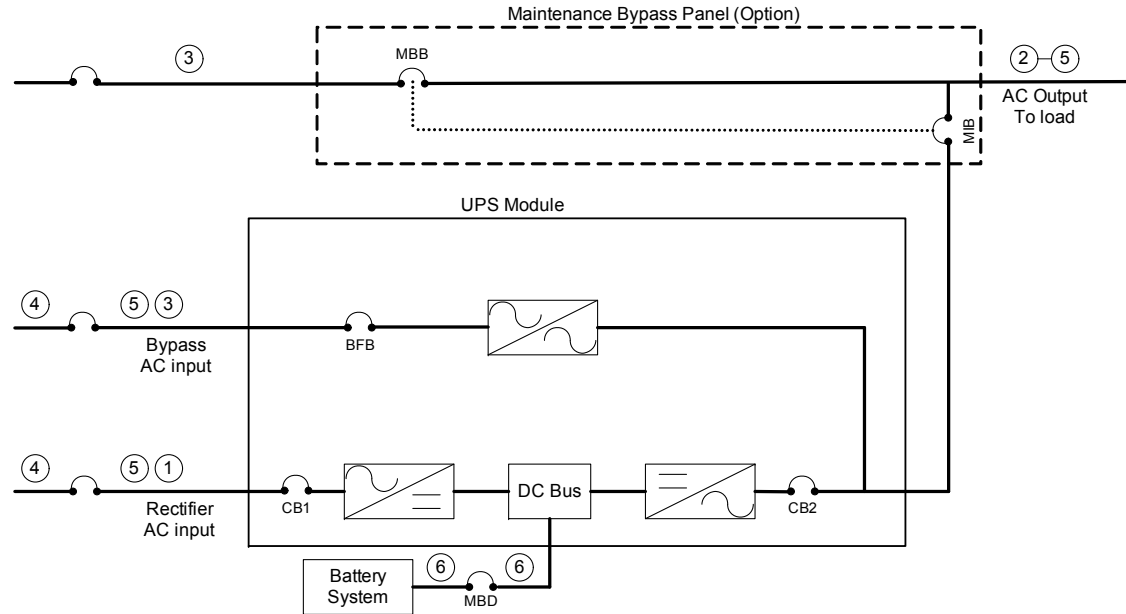


LIEBERT® NXL™, 250-400kVA, SINGLE-MODULE SYSTEMS - SITE PLANNING DATA



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.
- Feeder protection (by others in external equipment) for rectifier AC input and bypass AC input is recommended to 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.

Table 1 Site planning data

UPS Rating		AC Output Voltage	Options		Rectifier AC Input Current		Inverter or Bypass AC Output Current		Required Battery Disconnect Rating (A)	Max. Battery Current at End of Discharge (A)	Max. Heat Dissipation Full Load BTU/h (kWh)	Dimensions	Approx. Weight Unpacked	Floor Loading Concentrated Loading
kVA	kW	VAC	Input Filter	Input Xformer	Nom	Max	Nom	Max				WxDxH: in. (mm)	lb. (kg)	lb./ft. ² (kg/m ²)
250	225	480	Standard	NO	313	392	301	376	700	615	49,887 (14.6)	71.8x33.5x76.8 (1823x850x1950)	3965 (1798)	237 (1160)
300	270	480	Standard	NO	376	469	361	451	800	737	58,819 (17.2)	78.5x33.5x76.8 (1993x850x1950)	4690 (2127)	257 (1256)
400	360	480	Standard	NO	500	625	481	601	1000	981	75,676 (22.2)	78.5x39.4x76.8 (1993x1000x1950)	5250 (2381)	244 (1195)
See Notes (p. 1):			13	—	1,4,5,7,8,9,11,12		2,3,5,7,8,9,11,12		6	6,8,9,11,12	—	—	—	—



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