LIEBERT® NX™ 225-600kVA, SINGLE-MODULE SYSTEMS SITE PLANNING DATA

Table 1 Site planning data—225-600kVA

UPS Rating		Voltage VAC	Rectifier AC Input Current			Bypass AC Input Current		UPS AC Output Current		Battery			Max. Heat Dissipation Full Load BTU/H	Dimensions WxDxH in (mm)	Approx. Weight Unpacked lb (kg)	Eff. AC-AC 100%	Eff. DC-AC 100%	Input PF
kVA	kW	Input	Nom	Max	External Breaker Trip Amps	Nom	External Breaker Trip Amps	Nom	Ext. Breaker Trip Amps	Nom, VDC	Max. Current at EOD	Ext. Breaker Trip Amps						
225	225	480	285	299	400	271	350	271	350	480	597	600	40441	53.4x33.7x78.3 (1356x856x1989)	2450 (1111)	95.0%	95.2%	1.00
250	250	480	317	332	450	301	400	301	400	480	662	700	44934			95.0%	95.3%	1.00
300	300	480	380	399	500	361	500	361	500	480	794	800	53921			95.0%	95.4%	1.00
400	400	480	505	530	700	481	700	481	700	480	1061	1200	67690	90.7x 33.7x78.3 (2304x856x1989)	4450 (2020)	95.0%	95.4%	1.00
500	500	480	632	663	900	601	800	601	800	480	1326	1400	86292			95.0%	95.4%	1.00
600	600	480	761	799	1000	722	1000	722	1000	480	1593	1600	112321			95.0%	95.4%	1.00
See Notes below:			1,3,6,7,8,10,11			2,3,4,6,7,8,10,11		2,3,4,6,7,8,10,11		5,6,8,10,11			—	9	9	—		

Notes for **Table 1**

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 non-continuous). Maximum input current is controlled by current limit setting, which is adjustable 25 to 125% of nominal input current.
2. Bypass AC input and AC output current (considered continuous) is based on full rated output load. Maximum current includes nominal output current and overload current for 10 minutes.
3. Recommended External Breaker Trip Amps at 80% rated. Feeder protection, (by others) for rectifier AC input and bypass AC input is recommended to be provided by separate overcurrent protection devices.
4. UPS output load cables must be run in separate conduit from input cables.
5. 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.
6. Grounding conductors to be sized per NEC 250-95.
7. Rectifier AC Input: 3-phase, 3-wire, plus ground
   Bypass AC Input: 3-phase, 3-wire, plus ground
   AC Output to Load: 3-phase, 3-wire, plus ground
   Module DC Input from Battery: 2-wire (positive and negative), plus ground
8. All wiring is to be in accordance with national and local electrical codes.
9. Minimum overhead clearance is 2 ft. (0.6m) above the UPS.
10. Top or bottom cable entry through removable access plates. Cut plate to suit conduit size.
11. Control wiring and power cables must be run in separate conduits. Control wiring must be stranded, tinned conductors.
12. If the UPS is to be fed from an automatic transfer switch, the transfer switch must have a programmed delay of 100 milliseconds for transfers between two sources.

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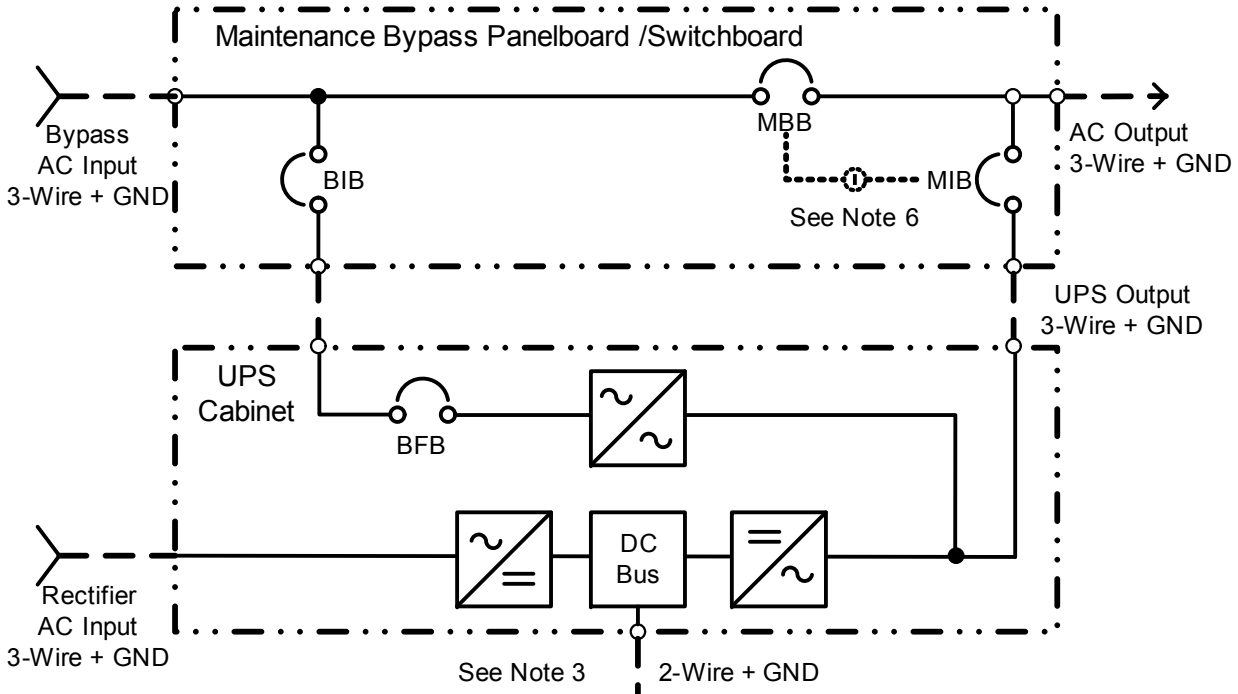

NOTES

1. UPS rectifier input and bypass input may be fed from separate grounded wye sources .
2. UPS rectifier input, bypass input and AC output cables must be run in separate conduits .
3. All power cables from DC supply should be sized for a total maximum 2-volt drop at maximum discharge current .
4. Control wiring and power wiring must be run in separate conduits.
5. Grounding conductors are required .
6. Optional interlock shown.