



UNINTERRUPTIBLE POWER SUPPLIES

## Facility Planning Data Sheet

### 9900B Series 300/500/750 kVA UPS (480Vin/480Vout 60 Hz)

9900B UPS MAIN INPUT DATA				9900B UPS BYPASS INPUT DATA		9900B UPS OUTPUT DATA		BATTERY SYSTEM DATA	
UPS RATING (KVA)/(kW)	UPS INPUT POWER (kVA)/(kW)	UPS INPUT CURRENT NOM/MAX (A)	MAIN (BIN) EXTERNAL OVERCURRENT PROTECTION TRIP (A)	UPS BYPASS CURRENT (A)	UPS BYPASS EXTERNAL OVERCURRENT PROTECTION TRIP (A)	UPS OUTPUT CURRENT (A)	UPS OUTPUT EXTERNAL OVERCURRENT PROTECTION TRIP (A)	BATTERY SYSTEM OUTPUT CURRENT AT 400VDC END VOLTAGE (A)	BATTERY CABINET OVERCURRENT PROTECTION TRIP (A)
300/300	313/312.5	377/415	600	361	500	361	500	780	400
500/500	522/520.3	628/691	800 (100% RATED)	601	800	601	800	1299	600
750/750	783/778.8	942/1037	1200 (100% RATED)	902	1200	902	1200	1943	600
NOTES	1,2,3,4	5	2,6,7	7	2,6,7	10,11,12	2,8	2,9	2

MECHANICAL DATA					HEAT LOSS AND AIR FLOW			
UPS RATING (KVA)	DIMENSIONS (W X D X H) (INCHES)	WEIGHT (LBS)	DISTRIBUTED FLOOR LOADING (LBS/FT <sup>2</sup> )	POINT LOADING (LBS/FT <sup>2</sup> )	HEAT REJECTION (kBTU/Hr)			AIR FLOW REQUIREMENTS (CFM)
					100%	75%	50%	
300	55.1 X 32.7 X 80.7	2,360	189	2,098	42.68	30.35	20.23	4,100
500	88.3 X 32.7 X 80.7	3,605	181	2,030	69.28	49.20	32.80	6,800
750	106.9 X 32.7 X 80.7	4,525	182	1,405	98.39	69.66	46.44	8,800
NOTES				15	13,14			

**NOTES**

1. Acceptable input and bypass voltage range is 480VAC, +15%, -20%
2. Install and ground the UPS system in accordance with NFPA 70 National Electrical Code and all federal, state and local regulations.
3. UPS main input and bypass frequency: 60Hz ± 10%.
4. UPS input power factor: 0.99 at 100% load and 0.99 at 50% load. The UPS input power factor is independent of the UPS output (load) power factor.
5. The nominal current is continuous and is based on 100% load. The maximum current includes the nominal input current at 100 % load and the non-continuous battery recharge current. Consult factory before operating at the maximum current.
6. Power main input and bypass feeder inputs (provided by others) from separate overcurrent protection devices. Main input overcurrent protection devices are sized based on the maximum current which includes the maximum battery charging current.
7. Main Input and bypass input are 3-phase, 3-wire plus ground. UPS cable entry cabinet has top or bottom conduit entry.
8. UPS output overcurrent protection device is provided by others. UPS output cables are to be run conduits separate from the input and bypass cables: 3-phase, 3-wire plus ground.
9. Consult the factory when using a non-lead acid battery stored energy system.
10. UPS inverter output voltage regulation: ±1% balanced load, ±2% unbalanced load.
11. UPS output total harmonic voltage distortion (THDv): ≤2% at 100% linear load and ≤5% at 100% nonlinear load.
12. Maximum load crest factor: 2.3.
13. The specified heat losses are only for the UPS module. Peripheral equipment heat losses must be considered separately.
14. Maintain clearances per the UPS installation drawing. Minimum overhead clearance: 23.6 inches.
15. Use point loading with raised-floor installations.

**QUESTIONS OR NEED TECHNICAL SUPPORT? CONTACT MEPMI AT 724-772-2555**

