



UNINTERRUPTIBLE POWER SUPPLIES

Facility Planning Data Sheet 9900B Series 300 - 750 kVA UPS (480in/480out)

ELECTRICAL DATA										
9900B UPS MAIN INPUT DATA				9900B UPS BYPASS INPUT DATA		9900B UPS OUTPUT DATA		9900B UPS BATTERY SYSTEM DATA		
UPS RATING (KVA)	VOLTAGE/FREQUENCY (VAC/HZ)	UPS INPUT POWER (KVA @ 0.99 PF)	BATTERY SYSTEM MAXIMUM CHARGING POWER (KW)	VOLTAGE/FREQUENCY (VAC/HZ)	UPS BYPASS (KVA)	VOLTAGE/FREQUENCY (VAC/HZ)	UPS OUTPUT (KVA)	FULL LOAD POWER (KW)	BATTERY DISCHARGE FINAL VOLTAGE (VDC)	
300	480/60	313	41	480/60	300	480/60	300	312	400	
500	480/60	522	68	480/60	500	480/60	500	520	400	
750	480/60	783	102	480/60	750	480/60	750	776	400	
NOTES	1,2,3	4	5	6,7,8		9,10,11,12		5		
MECHANICAL DATA										
PHYSICAL DATA				FLOOR LOADING			9900B UPS THERMAL DATA (UPS MODULE ONLY)			
UPS RATING (KVA)	DIMENSIONS (W X D X H) INCHES			WEIGHT (LBS)	DISTRIBUTED FLOOR LOADING (LBS/FT ²)	POINT LOADING (LBS/FT ²)	HEAT REJECTION (KBTU/HR)			COOLING FAN AIR FLOW (CFM)
							100%	75%	50%	
300	55.1 X 32.7 X 80.7			2,250	189	2,098	42.68	30.35	20.23	4,100
500	88.3 X 32.7 X 80.7			3,570	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	14						13			14

NOTES

1. Acceptable voltage range is 480 VAC +15%, -20%. Three phase; three wire. UPS units have both top or bottom conduit entry.
2. UPS Reflected input current harmonics (THDi): 3% at 100% load; 5% at 50% load.
3. UPS main input frequency: 60Hz ± 10%.
4. UPS input power factor: 0.99 at 100% load; 0.99 at 50% load. The UPS input power factor is independent of the UPS output (load) power factor.
5. DC system load is non-continuous and is based on lead acid battery systems. Consult the factory when using a non-lead acid battery stored energy system.
6. Actual bypass voltage is determined by the voltage source and is not conditioned by the UPS. Three-phase; three-wire.
7. Bypass voltage range 480 VAC ±10%, three-phase, three-wire required for synchronization.
8. Bypass voltage frequency deviation limit 60Hz ± 5%, required for tracking.
9. UPS inverter output voltage regulation: 480 VAC ±1% balanced load, ±2% unbalanced load. Three-phase, three-wire.
10. UPS output voltage manual adjustment: ±3%.
11. UPS output total harmonic voltage distortion (THDv): 2% at 100% load and 5% at 50% 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: 24 inches.

QUESTIONS OR NEED TECHNICAL SUPPORT?

CONTACT MEPMI AT 724-772-2555



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Page 1 of 1