



UNINTERRUPTIBLE POWER SUPPLIES

## Facility Planning Data Sheet 9900A Series 80 - 225 kVA UPS (480in/480out)

ELECTRICAL DATA											
9900A UPS MAIN INPUT DATA					9900A UPS BYPASS INPUT DATA		9900A UPS OUTPUT DATA			9900A UPS BATTERY SYSTEM DATA	
UPS RATING (KVA)/(KW)	VOLTAGE/FREQUENCY (VAC/HZ)	UPS INPUT POWER (kVA)/(KW)	UPS INPUT CURRENT (NOM/MAX) (A)	BATTERY SYSTEM MAXIMUM CHARGING POWER (KW)	VOLTAGE/FREQUENCY (VAC/HZ)	UPS BYPASS (KVA)	VOLTAGE/FREQUENCY (VAC/HZ)	UPS OUTPUT (KVA @ 0.90pf LAGGING)	FULL LOAD POWER (KW)	BATTERY DISCHARGE FINAL VOLTAGE (VDC)	
80/72	480/60	80/74.5	91/103	8.7	480/60	80	480/60	80	76	400	
100/90	480/60	100/93.2	114/129	10.9	480/60	100	480/60	100	95	400	
150/135	480/60	150/139.9	170/191	16.3	480/60	150	480/60	150	140	400	
225/202.5	480/60	225/209.1	255/287	24.5	480/60	225	480/60	225	210	400	
NOTES	1,2,3	4	15	5	6,7,8		9,10,11,12		5		

  

MECHANICAL DATA									
PHYSICAL DATA			FLOOR LOADING		9900A UPS THERMAL DATA (UPS MODULE ONLY)				
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)			COOLING FAN AIR FLOW (CFM)
						100%	75%	50%	
80	27.6 X 32.8 X 80.6		882	140	592	11.31	8.68	6.60	1,200
100	27.6 X 32.8 X 80.6		882	140	592	14.13	10.85	7.40	1,500
150	35.4 X 32.8 X 80.6		1,146	142	803	18.19	13.65	9.60	1,900
225	35.4 X 32.8 X 80.6		1,235	153	851	27.29	19.91	13.27	2,800
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### NOTES

1. Acceptable voltage range is 480 VAC +15%, -20%. Three phase; three wire. UPS units are 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 during inverter operation.
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: ±5%.
11. UPS output total harmonic voltage distortion (THDv): 2% at 100% linear load and 5% at 100% non-linear 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: 20 inches.
15. The nominal current is based on rated load. Consult factory before operating at maximum current.

**QUESTIONS OR NEED TECHNICAL SUPPORT?**

**CONTACT MEPMI AT 724-772-2555**

