MITSUBISHI ELECTRIC

UNINTERRUPTIBLE POWER SUPPLIES

Facility Planning Data Sheet
9900C 1,050 kVA UPS (480in/480out)

ELECTRICAL DATA											
9900C UPS MAIN INPUT DATA					9900C UPS BYPASS INPUT DATA		9900C UPS OUTPUT DATA			9900C UPS BATTERY SYSTEM DATA	
UPS RATING (KVA)	VOLTAGE/ FREQUENCY (VAC/HZ)	UPS INPUT POWER KVA @ 0.99 PF	UPS INPUT CURRENT (A) NOM/MAX	BATTERY SYSTEM MAXIMUM CHARGING POWER (KW)	VOLTAGE/FREQUENCY (VAC/HZ)	UPS BYPASS (KVA)	VOLTAGE/FREQUENCY (VAC/HZ)	UPS OUTPUT (KVA @ 0.95PF LAGGING)	UPS OUTPUT CURRENT (A)	FULL LOAD POWER (KW)	BATTERY DISCHARGE FINAL VOLTAGE (VDC)
1,050	480/60	1,050	1263/1351	41	480/60	1,050	480/60	1,050	1263	1,053	400
NOTES	*1,2,3*	*4*		*5*	*6,7,8*		*9,10,11,12*			*5*	

MECHANICAL DATA							
PHYSICAL DATA			FLOOR LOADING			9900C 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) 100% 75% 50%		COOLING FAN AIR FLOW (CFM)
1,050	118.2 X 35.5 X 80.7	6.614	227	683	131.32 90.52 62.10		6,540
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 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. DC cables should be sized for not more than a 2.0% line drop at maximum discharge current.
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 MEPPI AT 724-772-2555

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