1100B FACILITY PLANNER 10-80KVA/208 VAC WYE INPUT&OUTPUT/60 HZ

MITSUBISHI ELECTRIC
CRITICAL POWER SOLUTIONS

1100B UPS MAIN INPUT DATA				1100B UPS BYPASS INPUT DATA		1100B UPS OUTPUT DATA	
UPS RATING (KVA)/(kW)_	UPS INPUT POWER (kVA)/(kW)	UPS INPUT CURRENT NOM/MAX (A)	MAIN (BIN) EXTERNAL OVERCURRENT PROTECTION (A)	UPS BYPASS CURRENT (A)	UPS BYPASS EXTERNAL OVERCURRENT PROTECTION TRIP (A)	UPS OUTPUT CURRENT (A)	UPS OUTPUT EXTERNAL OVERCURRENT PROTECTION TRIP (A)
10/9	11/9.76	31/34.1	40	28	40	28	40
20/18	22/19.5	61/67.1	80	55	80	55	80
30/27	33/29.3	91.5/101	110	83	110	83	110
40/36	44/39.0	122/134	150	111	150	111	150
50/45	55/48.8	150/165	225	138	225	138	225
60/54	66/58.5	167/184	225	166	225	166	225
70/63	77/68.3	210/231	275	194	275	194	275
80/72	88/78.1	240/264	300	222	300	222	300
NOTES	*1,2,3,4*	*5*	*2,6,7*	*7*	*2,6,7*	10,11,12	*2,8*

	BATTERY SYSTEM DATA		MECHANICAL DATA			
UPS RATING (KVA)/(kW)_	BATTERY SYSTEM OUTPUT CURRENT AT 240VDC END VOLTAGE (A)	BATTERY CABINET OVERCURRENT PROTECTION TRIP (A)	DIMENSIONS (W X D X H) (INCHES)	WEIGHT (LBS)	DISTRIBUTED FLOOR LOADING (LBS/FT²)	POINT LOADING (LBS/FT²)
10/9	40	50	31.5 X 27.0 X 67.3	499	83.7	10,778
20/18	80.6	90	31.5 X 27.0 X 67.3	543	91.3	11,728
30/27	120.2	125	31.5 X 27.0 X 67.3	587	98.9	12,679
40/36	161.2	175	31.5 X 27.0 X 67.3	631	106.5	13,630
50/45	201.6	200	31.5 X 27.0 X 67.3	675	114	14,580
60/54	241	250	31.5 X 27.0 X 67.3	719	122	15,531
70/63	282.2	300	31.5 X 27.0 X 67.3	763	129	16,481
80/72	332	350	31.5 X 27.0 X 67.3	807	137	17,432
NOTES	*2,9*	*2*	*16*	*2*		*15*

	HEAT LOSS AND AIR FLOW	
UPS RATING (KVA)	HEAT REJECTION (kBTU/Hr) 100% 75% 50%	AIR FLOW REQUIREMENTS (CFM)
10	2.6 1.9 1.4	300
20	5.1 3.7 2.5	600
30	7.7 5.4 3.7	800
40	10.4 7.2 4.8	1,100
50	13.0 8.7 5.7	1,300
60	15.6 10.4 6.8	1,500
70	18.2 12.1 7.9	1,800
80	20.8 13.9 9.1	2,000
NOTES	*13,14*	

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NOTES

1. Acceptable inverter input range is 208/120 Y VAC, +15%, -30%, Bypass 208/120Y ±10%
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: 0.98 at 100% load and 0.98 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, 4-wire wye 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, 4-wire wye 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: 2.5.
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: 16 inches.
15. Use point loading with raised-floor installations.

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