



UNINTERRUPTIBLE POWER SUPPLIES

## Facility Planning Data Sheet 1100A/10 – 50 KVA /208 – WYE IN AND OUT/60HZ

1100A UPS MAIN INPUT DATA			1100A UPS BYPASS INPUT DATA			1100A 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 (A)	UPS BYPASS CURRENT (A)	UPS BYPASS EXTERNAL OVERCURRENT PROTECTION (A)	UPS OUTPUT CURRENT (A)	UPS OUTPUT EXTERNAL OVERCURRENT PROTECTION (A)	BATTERY SYSTEM OUTPUT CURRENT AT 240 VDC END VOLTAGE (A)	BATTERY CABINET OVERCURRENT PROTECTION (A)
10/9	11/9.76	31/34.1	40	28	40	28	40	40	50
20/18	22/19.5	61/67.1	80	55	80	55	80	80.6	90
30/27	33/29.3	91.5/101	110	83	110	83	110	120.2	125
40/36	44/39.0	122/134	150	111	150	111	150	161.2	175
50/45	56/48.9	155/170	225	138	225	138	225	201.6	200
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 NOMINAL/WITH BATTERIES(LBS)	DISTRIBUTED FLOOR LOADING NOMINAL/WITH BATTERIES (LBS/FT <sup>2</sup> )	POINT LOADING NOMINAL/WITH BATTERIES (LBS/FT <sup>2</sup> )	HEAT REJECTION (kBTU/Hr)			AIR FLOW REQUIREMENTS (CFM)
					100%	75%	50%	
10	19.7 X 27.0 X 55.1	290/685	79/185	6,264/14,797	2.6	1.9	1.4	300
20	19.7 X 27.0 X 55.1	335/730	91/198	7,236/15,769	5.1	3.7	2.5	600
30	19.7 X 27.0 X 55.1	380/NA	103/NA	8,208/NA	7.7	5.4	3.7	800
40	19.7 X 27.0 X 55.1	420/NA	114/NA	9,072/NA	10.4	7.2	4.8	1,100
50	19.7 X 27.0 X 55.1	465/NA	126/NA	10,045/NA	13.0	8.7	5.7	1,400
NOTES	16	2		15	13,14			16

**NOTES**

1. Acceptable input and bypass voltage range is 208 VAC, WYE, +15%, -30%
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 ± 5%.
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 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 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.





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14. Maintain clearances per the UPS installation drawing. Minimum overhead clearance: 16 inches.
15. Use point loading with raised-floor installations.

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

