



UNINTERRUPTIBLE POWER SUPPLIES



Facility Planning Data Sheet
1100A Series 10 - 50 kVA UPS (208-WYE IN/208 WYE OUT)

ELECTRICAL DATA									
1100A UPS MAIN INPUT DATA				1100A UPS BYPASS INPUT DATA		1100A UPS OUTPUT DATA		1100A 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)
10	208/60	11	0.576	208/60	10	208Y-120/60	10	10	240
20	208/60	22	1.41	208/60	20	208Y-120/60	20	20	240
30	208/60	33	1.97	208/60	30	208Y-120/60	30	29	240
40	208/60	44	2.82	208/60	40	208Y-120/60	40	39	240
50	208/60	56	3.38	208/60	50	208Y-120/60	50	49	240
NOTES	1,2,3	4	5	6,7,8		9,10,11,12		5	
MECHANICAL DATA									
PHYSICAL DATA				FLOOR LOADING			1100A 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)		
				NOMINAL/WITH BATTERIES	NOMINAL/WITH BATTERIES	NOMINAL/WITH BATTERIES	100%	75%	50%
10	19.7 X 27.0 X 55.1			290/685	79/185	6,264/14,797	2.60	1.90	1.26
20	19.7 X 27.0 X 55.1			335/730	91/198	7,236/15,769	5.13	3.68	2.49
30	19.7 X 27.0 X 55.1			380/NA	103/NA	8,208	7.69	5.36	3.68
40	19.7 X 27.0 X 55.1			420/NA	114/NA	9,072	10.40	7.15	4.84
50	19.7 X 27.0 X 55.1			465/NA	126/NA	10,045	13.00	8.67	5.69
NOTES	14						13		
							14,15,16		

NOTES

1. Acceptable voltage range is 208 WYE VAC +15%, -30%. Three phase; four wire. UPS units have bottom conduit entry.

2. UPS Reflected input current harmonics (THDi): 4% at 100% load; 7% at 50% load.

3. UPS main input frequency: 60Hz ± 5%.

4. UPS input power factor: 0.98 at 100% load; 0.98 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; four-wire.

7. A neutral is required for UPS operation.

8. The 1100A series is a single input only, no provisions are available for a separate bypass connection.

9. UPS inverter output voltage regulation: 208Y 120 VAC ±1% balanced load, ±2% unbalanced load. Three-phase, four-wire.

10. UPS output voltage manual adjustment: ±3%.

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: 2.5.

13. The specified heat losses are only for the UPS module. Peripheral equipment must be considered separately.

14. These UPS have rear exhaust. Maintain clearances per the UPS installation drawing. Minimum rear clearance: 8 inches.

15. Minimum overhead clearance is 16 inches

16. For units with integral batteries, refer to the Owner’s Manual for specific clearance requirements.

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