

# FACILITY PLANNING DATA SHEET

## 1100 Diamond Plus Series Uninterruptible Power Supply



EMERGENCY SERVICE  
**1-877-251-0111**

CALGARY - EDMONTON - VANCOUVER - SASKATOON

### UPS AC Input and Battery System

UPS INPUT					BATTERY SYSTEM				
Nominal Input Power Rating	Voltage	Maximum Input Power Rating	UPS Input Current (A)		Nominal Voltage	Maximum Fault Current	Minimum Voltage	Full Load	Maximum Discharge Current (Final)
kVA	VAC Freq.	kVA	Nom.	Max.	VDC	AMPS	VDC	kW	A
10	208Y/120 60Hz	11	28	30	288	NA	240	10	41
20	208Y/120 60Hz	22	55	60	288	NA	240	20	81
30	208Y/120 60Hz	33	83	90	288	25,000	240	29	122
40	208Y/120 60Hz	44	111	120	288	25,000	240	39	163
50	208Y/120 60Hz	56	139	150	288	25,000	240	49	203
Notes:			1	2	3		3		

### UPS AC Output and Mechanical Data

UPS OUTPUT			MECHANICAL DATA				
Power Rating	Voltage	Current	Dimensions W x D x H	Weight	Floor Loading	Heat Rejection	Cooling Air
kVA	VAC Freq.	AMPS	Inch	Lbs	Lbs/ft <sup>2</sup>	kBTU/Hr	CFM
10	208Y/120 60Hz	27.8	19.7 x 27.0 x 55.1	685*/290	14,797*/6,264	2.3	300
20	208Y/120 60Hz	55.5	19.7 x 27.0 x 55.1	730*/335	15,769*/7,236	4.6	600
30	208Y/120 60Hz	83.3	19.7 x 27.0 x 55.1	380	8,208	6.9	800
40	208Y/120 60Hz	111	19.7 x 27.0 x 55.1	420	9,072	9.2	1100
50	208Y/120 60Hz	139	19.7 x 27.0 x 55.1	465	10,045	11.6	1400
Notes:			6	4,5,7	5,6,7	5,6	5,6

In no event shall MEPMI be liable for the accuracy, completeness or usefulness of the following specifications or for any modification(s) to the following specifications for which MEPMI has not approved or authorized such modifications. Further, MEPMI shall not be liable for any special, incidental, indirect, punitive or consequential damages arising out of or in connection with the use of such specifications.

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### UPS NOTES

1. Nominal (Nom.) current is based on rated load and UPS efficiency.
2. Maximum (Max.) current is based on nominal UPS input current plus the UPS maximum current input limit: 110% of rated current. UPS output overload capacity is 105% to 125% for 60 seconds and 126% to 150% for 30 seconds.
3. Float voltage 2.25 to 2.27 volts/cell (lead technology). Minimum battery voltage 1.67 volts/cell.
4. The 10kVA and 20kVA UPS units are supplied with internal batteries, the remaining UPS units have external batteries.
5. Customer and installer to ensure these items are adequately sized for future expansion.
6. Customer and installer are to ensure the UPS installation meets the minimum access and ventilation clearance requirements specified on the UPS drawings or in the Owner's Manual. An Owners Manual is supplied with the UPS. If an Owners Manual is not available, contact your sales representative, or contact MEPEI at the telephone number listed below. The final installation must meet all local, state and national codes.
7. The weights marked with (\*) denote weights with internal batteries installed.

### GENERAL INSTALLATION NOTES

- A. Customer and installer are responsible for ensuring the UPS input cables, UPS output cables, UPS DC cables and UPS control cables are installed in separate conduits.
- B. Customer and installer are responsible to ensure all UPS input cables, UPS output cables, UPS DC cables, overcurrent protection devices, and associated appurtances are adequately sized and/or rated for future expansion.
- C. Customer and installer are responsible to size the UPS DC cables to limit the full load cable voltage drop to not more than 2%.
- D. Customer and installer are responsible to ensure their installation meets all local codes, state codes, national codes, recognized standards, and recognized guidelines.



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