

## Facility Data Planning Guide 3300 Series

<b>10-40kVA UPS (208V input, 208V output)</b>					
<b>Power Rating (kVA/kW)</b>	10/10	15/15	20/20	30/30	40/40
<b>UPS AC INPUT (208V)</b>					
<b>Voltage</b>	208 VAC	208 VAC	208 VAC	208 VAC	208 VAC
<b>kW (Nom./Max)</b>	10/10	15/15	20/20	30/30	40/40
<b>Current (Nom./Max)</b>	28/33	32/50	56/67	83/100	111/134
<b>Min. Input AWG (includes Neutral)</b>	10	8	6	3	1/0
<b>External Overcurrent Protection</b>	35A	60A	70A	110A	150A
<b>BATTERY SYSTEM</b>					
<b>Nominal Voltage</b>	240V DC	240V DC	240V DC	240V DC	240V DC
<b>Maximum Discharge</b>	42A/string	63A/string	83A/string	125A/string	167A/string
<b>AC OUTPUT (208V)</b>					
<b>Current Nominal</b>	25	42	56	83	111
<b>Minimum Output AWG</b>	10	8	6	3	2
<b>External Overcurrent Protection</b>	35	60	70	100	125
<b>MECHANICAL INFORMATION (UPS ONLY)</b>					
<b>Dimensions W x D x H</b>	10" x 26" x 33"	12" x 34" x 40	12" x 34" x 40	17" x 31" x 47"	17" x 31" x 47"
<b>Weight lbs.</b>	209	398	508	330	362
<b>Floor Loading lbs./sq.in.</b>	.80	.97	1.24	.70	.70
<b>Height Rejection kBTU/Hr.</b>	2.57	3.85	5.14	7.70	10.27
<b>Cooling Air CFM</b>	312	612	612	1224	1224

### Notes:

1. Nominal (Nom.) current based on rated load
2. Maximum (Max.) current based on 173V (@100% load) input voltage
3. Input and output cables typically run in separate conduits.
4. If initial load is less than UPS rated output, it is recommended that AC input, battery, and AC output wiring and overcurrent protection be sized to UPS full load rating to accommodate possible to future expansion.
5. Nominal battery voltage - (lead technology) (2.0 volts/ cell, cutoff 1.7 volts/cell)
6. If user provided DC cables should be sized for not more than a 2.0% line drop at maximum
7. Suggested AC output overcurrent protection based on continuous full load current per NEC 210-20.
8. All wiring to be in accordance with the applicable national and/or local electrical codes. (Conductor sizes based on insulation rated at 90° C)
9. Minimum access clearance per UPS Owner's Manual
10. Control wiring and power wiring to be run in separate conduit.
11. Nominal output current based on matching AC input / output voltages
12. 240V DC with Neutral (10+10)

### Additional Notes:

- A. Ratings of cables and overcurrent devices supplied for information only. User to consult with it's own engineering services before adopting.
- B. Reference NEC handbook. Consult local codes for possible variations.

### UPS Connections:

- 10 kVA - Terminals with M5 bolt
- 15/20 kVA - Terminals with M6 bolt
- 30/40 kVA - Terminals with M10 bolt

\* Calculation based on ambient operating temperature of 25° C