

# FACILITY DATA PLANNING GUIDE

## Powervar Security Plus Series 6 - 15kVA UPS (208V in, 208V out, 240V in, 240Vout)

Power Rating		UPS AC Input (208V or 240V)						Battery System			AC Output (208V or 240V)		Mechanical Information						
		Voltage		kVA		Current		Minimum Input AWG	External Overcurrent Protection	Nominal Voltage	Full Load kW	Maximum Discharge	Current Nominal	External Overcurrent Protection	Dimensions W x D x H	Weight Lbs	Floor Loading lbs/Ft2	Heat Rejection kBTU/Hr	Cooling Air CFM
		Vac/Freq.	Nom.	Max.	Nom.	Max.													
6	5.4	208	6.6	6.6	31.7	45.2	8	45	96	5.4	66.2	28.8	30	11.8x31.9x28.9	348	133	3.3	227	
6	5.4	240	6.6	6.6	27.5	39.3	8	45	96	5.4	66.2	25	30	11.8x31.9x28.9	348	133	3.3	227	
8	7.2	208	8.5	8.5	40.7	58.2	4	60	288	7.2	29.4	38.5	50	13.8x38.6x33.5	449	121.4	4.2	301	
8	7.2	240	8.5	8.5	35.3	50.4	4	60	288	7.2	29.4	33.3	50	13.8x38.6x33.5	449	121.4	4.2	301	
10	9	208	10.6	10.6	50.9	72.7	3	80	288	9	36.9	48.1	65	13.8x38.6x33.5	449	121.4	5	301	
10	9	240	10.6	10.6	44.1	63	3	80	288	9	36.9	41.7	65	13.8x38.6x33.5	449	121.4	5	301	
12	10.8	208	12.7	12.7	61.1	87.2	2	90	288	10.8	44.2	57.7	80	15.8x44.4x42.5	719	147.6	6	590	
12	10.8	240	12.7	12.7	52.9	75.6	2	90	288	10.8	44.2	50	80	15.8x44.4x42.5	719	147.6	6	590	
15	13.5	208	15.9	15.9	64.9	92.7	1	110	288	13.5	55.3	72.1	100	15.8x44.4x42.5	739	151.7	7.5	590	
15	13.5	240	15.9	15.9	56.3	80.4	1	110	288	13.5	55.3	62.5	100	15.8x44.4x42.5	739	151.7	7.5	590	
Notes:			1	2	3,4,8,10,13,A,B,C			4,7	5		6,10	1	4,7,11	9					

**Notes:**

1. Nominal (Nom.) current based on rated load.
2. Maximum (Max.) current based on -30% input voltage
3. Input and output cables typically run in sperate 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 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 discharge current.
7. Suggested AC output overcurrent protection based on continuous full load current per NEC 210-20. 80% rated breakers assumed.
8. All wiring to be in accordance with the applicable national and/or local electrical codes.
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

**Adiitional Notes:**

- A. Ratings of cables and overcurrent devices supplied for information only. User to consult with it's engineering services before adopting.
- B. Reference NEC handbook. Consult local codes for possible variations.
- C. For site configurations including emergency generators to be sized and equipped for UPS applications. Generator equipped with governor for frequency regulation and regulator for voltage stability recommended. Note: UPS reflected current distortion is 3% max at full load, and 5% at 50% load.

