



Narada

UPS Battery Sizing

- 1 Input Load, Power Factor and Inverter Efficiency, Select Load type (kVA,kW,kWB)
- 2 Select System voltage, end VPC, and desired Runtime in minutes.
- 3 Select number of Strings until a battery is identified. If ...↑ String(s) Needed... Increase Number
- 4 Optional information, lower or higher operating temp, design margin or safety factory

UPS SYSTEM			
1	500	kVA	2
2	480	Voltage	
2	1.67	End VPC	
2	5	Runtime (min)	
1	1.00	Power Factor	
1	0.970	Inverter Efficiency	
SYSTEM DC Load			
	515.47	kWB	
	2147.8	Watts/Cell	
	1286.2	Amps Max	
STRING			
	257.74	kWB	
	1074	Watts/Cell	
	643.1	Amps Max	

Optional Parameters		
4	1.00	Design Margin
4	1.00	Aging Factor
4	77	Temp (F)

12HRL700		
Front Terminal		
185	Ah @ 20hr to 1.75 vpc @ 77°F	
700	Wpc @ 15min to 1.67vpc @ 77°F	
1106	Wpc @ 5min. To 1.67 vpc	
80	Total Batteries	
3	2	Strings
40	Batteries /String	
Dimensions	in	mm
Length	21.97	558
Length Base	20.79	528
Width	4.93	125
Total Height	12.45	316
Weight	lbs.	kg.
	130	59
Terminal	Type	Bolt
	Front	Post M6-M

Notes

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