Emergency Power Needs Panning Worksheet

Count	Item	watts	Running Watts	Hours of running	Watt hours
	Lights	10	count * watts		Running watts * hours
	Refrigerator	600	count * watts		Running watts * hours
	Phone charger	10	count * watts		Running watts * hours
	Wifi Router	15	count * watts		Running watts * hours
	Laptop	60	count * watts		Running watts * hours
	TV	120	count * watts		Running watts * hours
	Microwave	1000	count * watts		Running watts * hours
	Sump Pump	800	count * watts		Running watts * hours
	Fans	75	count * watts		Running watts * hours
	Heater/Space Heater	1500	count * watts		Running watts * hours
	Cpap	50	count * watts		Running watts * hours
	Small Chest Freezer	150	count * watts		Running watts * hours
	Large Chest Freezer	400	count * watts		Running watts * hours
	Other		count * watts		Running watts * hours
	Other		count * watts		Running watts * hours
	Other		count * watts		Running watts * hours
			Add this Column For Output of power source		Add this Column Consumption over time

For generators, your running watt total should be 75% or less of the generators's max rated output.
For Battery systems, choose a battery that can provide at least the total daily watt-hours plus 20%.

For **Longer Time,** but **Small Loads,** a battery sytem makes more sense.
For **Short Time**, but **Large Loads**, a Generator makes more sense.