https://www.caravansplus.com.au/guides/calculating-how-big-your-battery-needs-to-be-a-44.html

Caravans Plus 12v Calculation Sheet

Note	12 Volt Device	Watts	Amps=watts/12	Usage: Quantity	Usage: Hrs/day	Total Current/day	Frequency/ week	Total / week
1	Water Pump		5.2	*1*	*0.2*	1.0	7.0	7.3
2	Fridge fan for gas fridge		0.4	*1*	*6*	2.4	7.0	16.8
3	Stove Exhaust Fan		0.4	*1*	*0.5*	0.2	7.0	1.4
5	TV - digital	40	3.3	*1*	*2*	6.7	7.0	46.7
6	Bedside LED Light	0.36	0.03	*2*	*1*	0.1	7.0	0.4
7	Ceiling LED Light	3.6	0.3	*3*	*3*	2.7	7.0	18.9
8	Outside LED Light	3.6	0.3	*1*	*3*	0.9	7.0	6.3
						14.0		97.8
	220V applinaces draw current fron 12V battery system		**Amps=watts/12/85%**					
20	**240 Volt Devices**		*85%*	*Edit Inverter efficiency*				
21	Inverter Overhead		2.1	*1*	*9*	18.9	7.0	132.3
22	Curlers	1500	147.1	*1*	*0.5*	73.5	1.0	73.5
23	Microwave	1800	176.5	*1*	*0.3*	52.9	3.0	158.8
24	Food processor	1800	176.5	*1*	*0.2*	35.3	3.0	105.9
25	Carving knive	900	88.2	*1*	*0.25*	22.1	2.0	44.1
26	Kettle	1200	117.6	*1*	*0.5*	58.8	7.0	411.8
27	Toaster	1200	117.6	*1*	*0.08*	9.4	7.0	65.9
28	Table Fan	75	7.4	*1*	*3*	22.1	7.0	154.4
9	Mobile phone chargers	5	0.5	*2*	*2*	2.0	3.0	5.9
10	Laptop	50	4.9	*2*	*3*	29.4	2.0	58.8
11	Shaver	10	1.0	*1*	*3*	2.9	1.0	2.9
						327.3		1214.4
	Daily Use A/h					**341.30**		**1312.13**

Weekly

Batteries	ah	Quantity	Discharge	Usable ah
	300	2	50%	**300**

	Usable ah		Daily usage	
Days of average usage	300	*divide by*	187.45	**1.60**

Instructions:

Changes to LED devices

Devices used

Watts - If watts are known enter watts and *Amps are automatically calculated* .

Amps – If watts are not known for 12v devices they can be manually added *(this will delete the auto calculation)*

Usage – Enter expected hours and mins per day

Amp Hours per day is automatically calculated.

Batteries available

Enter different battery configurations

Days of average usage

The number of days you can expect from a full charge. No solar input or Alternator input is included here.

220 Inverter

For all essential 220V appliances, the watts need to be divided by 220V to get the amps/h for the calculations