

Solar Project ~ Power Consumption Data

Appliance	Watts	Use Time	Watt Hours	Amp Hours	Amperage	Use Time	Amp Hours	VA*	Hz	PF**	Volt	AMP	Notes	
Sharp Television 19"	27.20	4.00	108.80					33.10	60.10	0.81	118.30	0.28	This television is the one that is used when normal watching and in House Battery Mode	
Sharp Television 32"	136.00	4.00	544.00	54.40				173.00	60.00	0.78	117.10	1.49	This television is the one that is used ONLY when I am plugged into Shore Power or during Generator use.	
Direct TV Digital Recorder (DVR)	22.80	24.00	547.20	54.72				36.50	60.30	0.67	119.30	0.29	This device records programs when I am off doing something fun. To function, it needs to be plugged in prior to the event to be recorded. Which means I either need to leave it plugged in, or plug it in before the event to be rec.	
Satellite Dish Controller	33.30	0.25	8.33	0.83				23.90	61.30	0.88	120.90	0.35	This device is used to record Television shows and store shows that were previously recorded. It is a rare occasion that I would watch an event live. So the Dish needs to be elevated to record, stored when done.	
Yamaha Stereo Receiver	80.70	4.00	322.80	32.28				107.00	60.00	0.72	117.20	0.92	This stereo is only used when I am plugged in to shore power or during Generator use.	
Laptop - HP 17"	39.10	6.00	234.60	23.46				61.40	60.10	0.78	118.70	0.47	This laptop is used as primary computer and is a device used frequently during the day or evening.	
Laptop - Acer Netbook	29.50	2.00	59.00	5.90				37.50	60.30	0.72	119.10	0.31	This laptop is used as a secondary computer and is a device used when I am out and about and not in the TC very often.	
Apple - iPhone/iPod charger	5.90	1.25	7.38	0.74				9.50	60.3	0.63	119.00	0.07	This charger is used to keep my iPhone or iPod charged and topped off, daily.	
FM Radio	1.20	24.00	28.80	2.88				2.80	60.00	0.48	117.40	0.02	I keep an FM Radio in the background, at all times. When I am not plugged in, I use a battery powered radio, when I am the TC, or leave one for security reasons when I am away.	
Clock Radio	1.20	24.00	28.80	2.88				2.80	60.00	0.48	117.40	0.02	This Clock radio is located at the side of the bed and keeps my alarms and FM stations tuned in. I sleep with music to help min. my Tinnitus. I use a battery powered radio, or iPod when an alt pwr source is available.	
Desk Lamp - Fluorescent Bulb	20.30	4.00	81.20	8.12				29.50	60.10	0.67	118.00	0.23	I like using this for a work lamp, reading lamp or any other time a light is needed. I detest the ceiling lights in the TC and would prefer not using these lights at anytime.	
Microwave	1,030.00	0.25	257.50	25.75				1,088.00	59.40	0.96	118.70	10.44	I use a microwave everyday for various needs, such as heating water, warming up leftovers and food preparations. I cook in the TC 95% of the time, as opposed to eating out and the Microwave is a great supplement.	
Room Fan	43.70	24.00	1,048.80					75.00	60.30	0.58	119.00	0.63	(I was shocked in the Data Collection in how much power is used by this appliance) I use a fan to help cool the dog and circulate air, whether the TC is being heated, cooled or by outside breezes.	
Bath Fan					3A	1.50	4.50						I use this fan for evacuating moisture and air out of the camper, during showers or when it is necessary to hang wet things in this room.	
Fantastic Fan					3A	24.00							I don't have this appliance yet, but would like to have one installed at a future time.	
Nikon Camera Charger		0.25											I am involved in various photography projects and my various equipment need to be recharged. I will say that I would not be using this charger every day.	
Smoke/Fire Detector						24.00							This device is used as a permanently installed safety device.	
Propane Detector						24.00							This device is used as a permanently installed safety device.	
Monitor Panel						24.00							This device is used as a permanently installed monitoring device.	
Refrigerator						24.00							This appliance is permanently installed and used daily to chill and freeze food stuffs.	
Inverter						24.00							I understand Inverters and Converters require a power source to operate, thus this amount should be included. Unfortunately I am unable to estimate what this might be. My plan is to use a 2000W Xantrex Power.	
Vampire Usage						24.00							With the heavy use of electrical devices and monitors, there is always power consumption that is often unqualified. This is my attempt to acknowledge it's presence.	
Water Pump					6A	0.50	3.00						(I was shocked in the Data Collection in how much power is used by this appliance) I do use a water bottle/jug to minimize use of my water pump to keep the wear and tear down to a minimum, plus battery consumption.	
Ceiling Lights					6A	3.00							Except for a very occasional use of these lights, I would never use them. It is not that I want to conserve power, by not using them, but more of a matter I don't particularly like having lights on.	
Slider Motor/Mechanism													I have never seen in any document, the power consumption considered for this device. Currently I always turn the generator on whenever pushing the slide in or out.	
TOTAL														
				211.96				7.50					219.46	

Appliance	Watts	Use Time	Watt Hours	Amp Hours	Appliance	Amperage	Use Time	Amp Hours		
13" color TV	90	3 hr.	150	15	12 Volt Lighting	6A (4 ea. 1.5A bulbs)	3 hr.	18		
Satellite Receiver	20	3 hr.	60	6	12 Volt Pump	6A	30 min.	3		
Computer/monitor	125	2 hr.	250	25	12 Volt Fans	3A	2 hr.	6		
Coffee Maker	1250	20 min	417	41.7						
Microwave	1000	15 min.	250	25						
Total				112.7					27	139.7

VA*	Apparent Power (VA=Vrms*Arms)
PF**	Power Factor (Watts/Vrms*Arms)
	Deferred Use or Unknown Use Data
	Not Applicable Table Location

Steer Axle - 6040 Drive Axle - 15100 Trailer Axle - 4040 Gross Weight - 25,180 LBS

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			Grand Total AH >
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