

Ottawa Valley PhotoVoltaic Solar Generated Electricity



Off Grid Load Analysis -- Hunt Camp

Description	AC or DC	Qty	Power Rating (W)	Power on standby/off	Day Week Month Year	Operating time Hours	Per Day total	Peak Watts	In Peak load
Shurfo 9300 12 or 24V DC submersible pump, 12V 200' lift, 2.58 l/min	DC	1	40.8		Day	1.77	72.217		✓
Hair Dryer 1500W	AC	1	1500		Day	0.0833	125	1500	
Eureka vacuum cleaner model 5851	AC	1	1018		Week	1	145.43	1440	
iPhone Cell phone charger	AC	1	18		Day	3	54		✓
Steam Iron 1/2hr / week, GE 169233	AC	1	1500		Week	0.5	107.14	1500	
Radio	AC	1	10	1.6	Day	1	46.8		✓
Kitchen countertop appliances toaster, kettle, coffe perk, microwave, only one at a time	AC	1	1500		Day	0.416	624		✓
13W CFL 800 lumens	AC	2	13		Day	5	130		✓
Bathroom fan (72W) & light Nutone 768CHNT-A (2 lite sockets, 13W) Fan	AC	1	72		Day	1	72		✓
Generator starter battery charger, maintaining fully charged battery.	AC	1	12		Day	2	24		✓
Generator battery warmer auto on when battery 95% discharged	AC	1	50		Day	1	50		✓
Outback FM80 idle 1W	AC	1	1		Day	12	12		✓
Outback VFX3648 idle 25W or search mode 6W	AC	1	6		Day	12	72		
Battery box vent fan 12V models Zephyr 6cfm 3W	DC	1	6		Day	2	12		
Total AVERAGE Load per day (Watt Hours)							1534.6		
Total PEAK Load (Watts)							1729.8		
Total of standby power included in average load (Watts Hours / day)							36.8		