

Power Demand Worksheet

Category	Item	Load in Watts	Multiplied by	Hours of use per day	Daily Energy Demand Watt hours
Survival					
	CPAP machine	50		8	400
	Air Purifier	65			0
	Two way radio	15			0
	Oxygen Concentrator	480		4	1920
	Refrigeration	450			0
Habitability					
	Cell Phone	10			0
	Laptop	20			0
	E-bike	200			0
	Small Microwave	800		1	800
	Small hot water kettle	700			0
	Induction stove	900			0

Daily Power demand Sub total 3120 Watt Hours

Power recharging outage duration assumptions?

1 day 3 days over a week

Solar recharging work sheet

Panel Watts listed	Efficiency	hours of charging light/day	Power supply contribution
100	65%	6	390 Watt Hours
200	65%	6	780