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Are you able to get me the power usage of the laptop when the battery is full??? I have it listed as 65w, but that would be with everything going flat out. If you already have the laptop and you can bring it in, we can test it here to see what the "real" power consumption will be, i will then be able to re-work the sizing of the system to see what will work best.

Below is the size of the system based on the information I have gotten off you earlier today. I have sized the system based on the following information (As the difference between sizing for a 17 day walk, and the 40 day hike is very minimal, this has been worked out for the 40 day hike)

Laptop - 65 w per hour (used for 2 hours per day) Sat link - 14 w per hour (used for 2 hours per day) The system has been sized allowing 25% for losses (battery, converter and cable losses) and allowing for 4 hours of peak sun per day.

Each day you will be using 16 ah, so a 28 ah battery will get you 2 days with no solar input.

Using a 50w solar panel, this would just cover your needs. If there was a cloudy day, the system may not recover fully.

If you went for the foldable type panels you would need 2 of them to get you by.

The solar regulator would be the same as you have on the existing satphone system.

Prices and brochures are listed as follows

Solar world 50W panel \$550