



## Performance Breakdown of SolaRover Systems

### **Basics:**

Table 1 shows the standard performance specifications of the SolaRover systems. The array size, being expressed in wattage, shows what the maximum production capability of the solar array. The foot print is given in its deployed state. This will help you determine the clearances need for the systems. Other than the array size on the Sahara all standard specifications can be upgraded.

Standard Specs	Mojave	Sonora	Sahara
Trailer foot print (approx) L x W	19ft x 13ft (deployed)	25ft x 15ft (deployed)	53ft x 23ft (deployed)
Array Size	2,880W	5,760W	23,040W
Battery capacity	32kWh	80kWh	320kWh
Inverter Capability	10kW	20kW	50kW-100kW

**Table 1 Standard specifications of the SolaRover systems.**

### **Mojave:**

The following figures show the run time capability of the system. Figure 1 illustrates the run time in hours depending on systems load. In the case of the sun and battery curve, this is assuming the system is in use only when the sun is shining. Figure 2 illustrates run time in days as a function of average loading. The consumption is figured on a daily 10 hour load, while the production is factored on a 6 hour average of peak solar production.



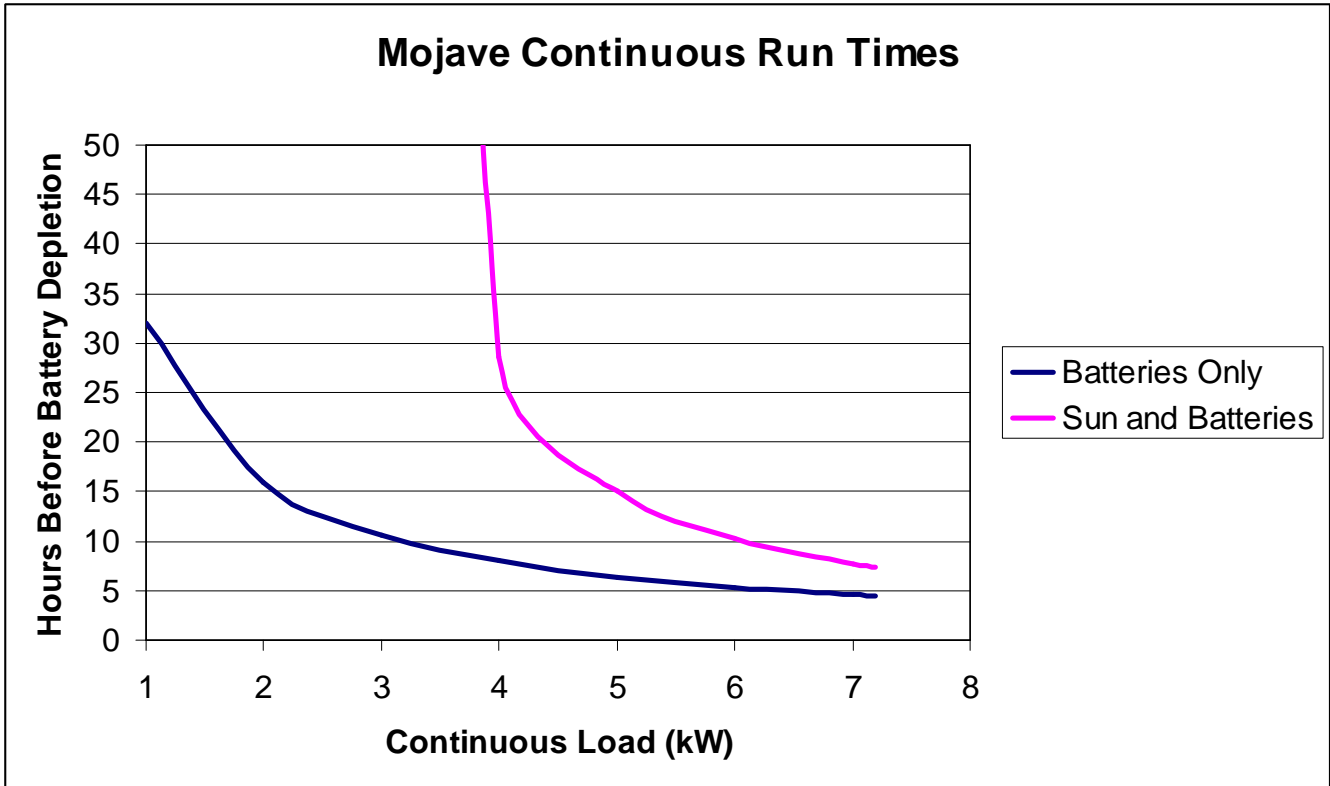


Figure 1.1 Runtime in hours prior to battery depletion

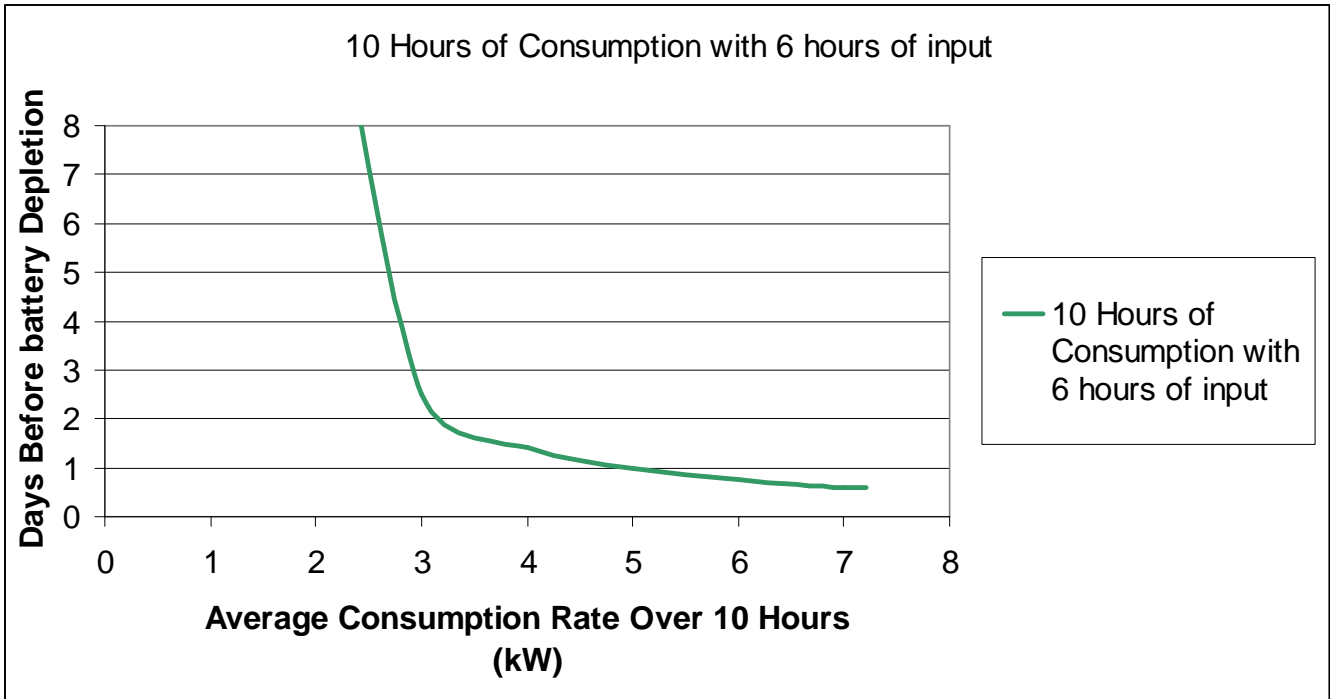


Figure 2 Runtime in Days



**Sonora:**

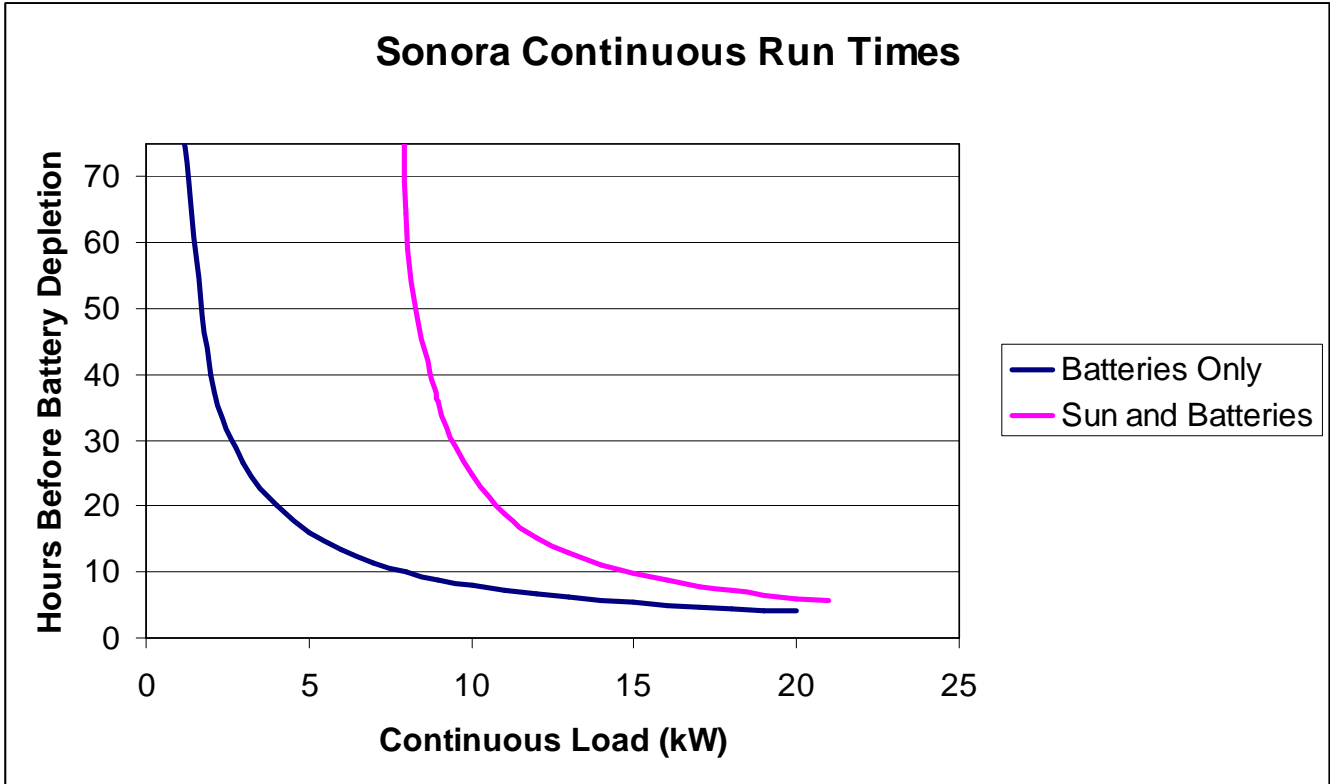


Figure 3 Sonora run time in hours

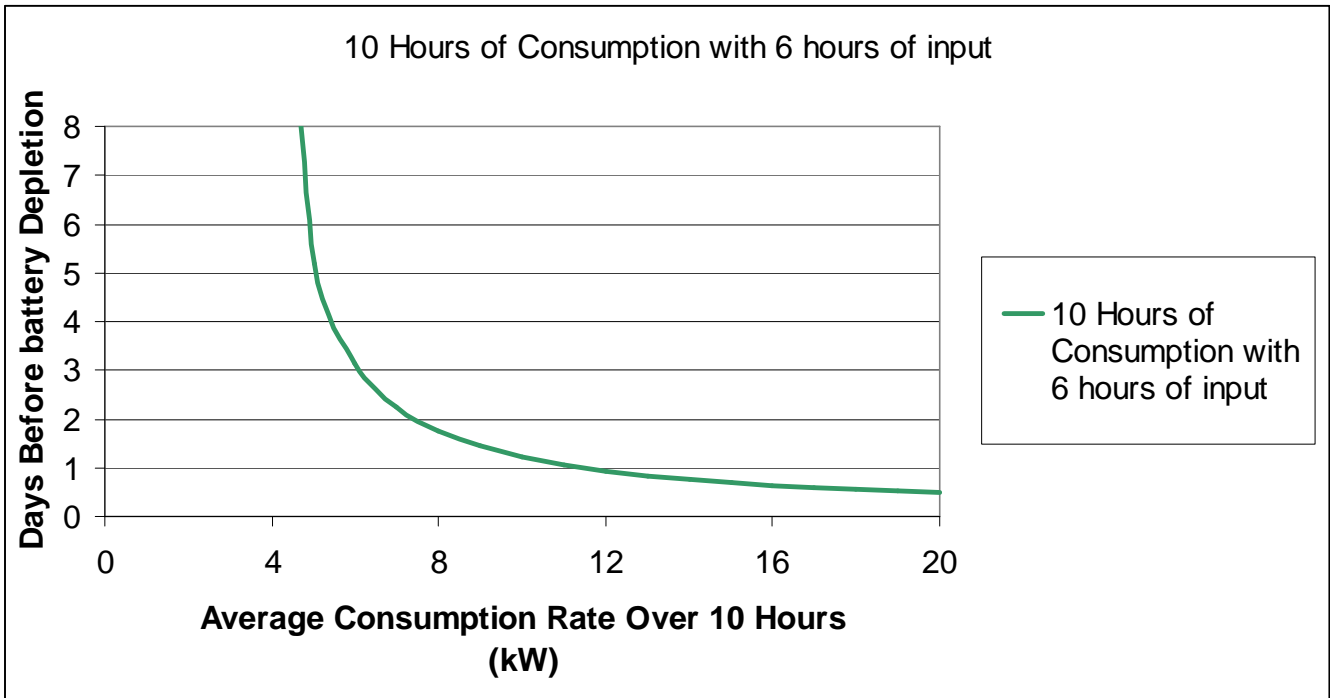


Figure 4 Sonora run time in days



**Sahara:**

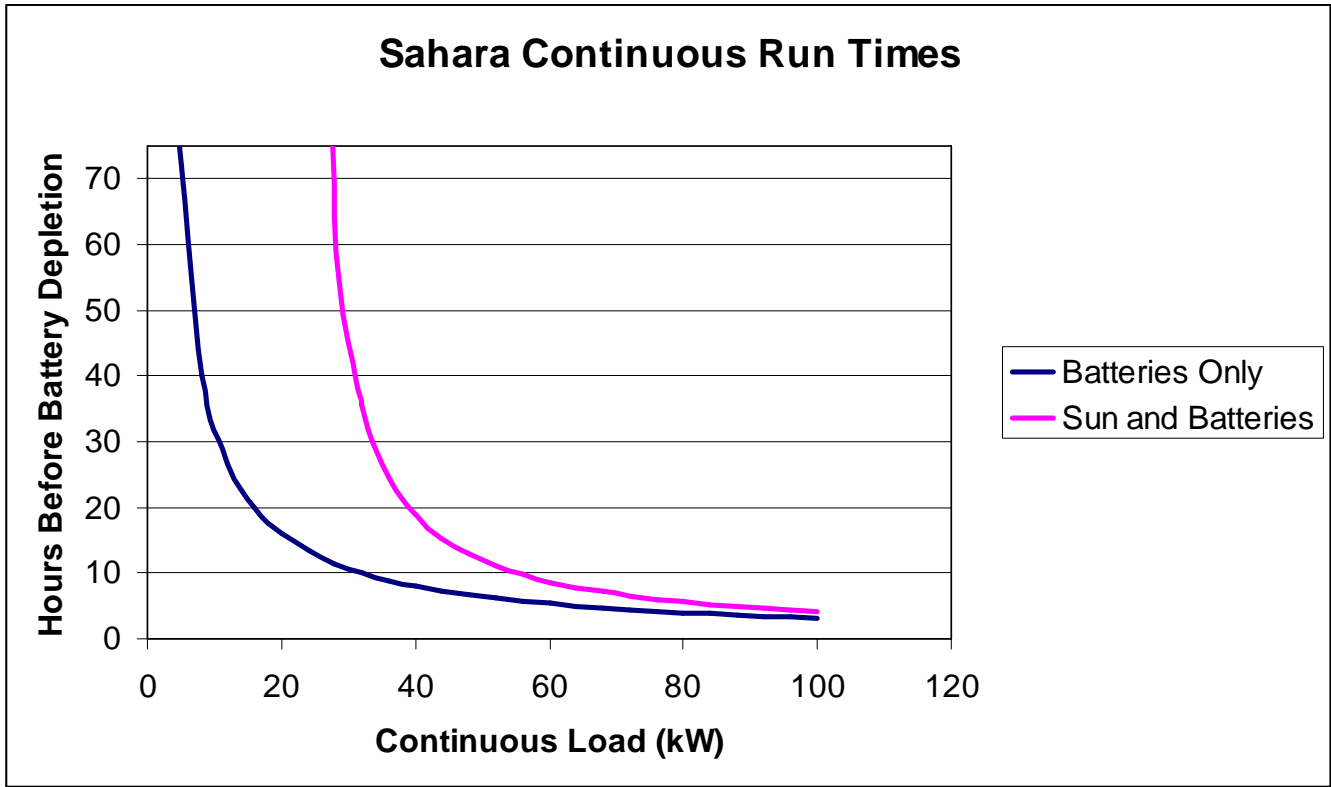


Figure 5 Sahara run time in hours

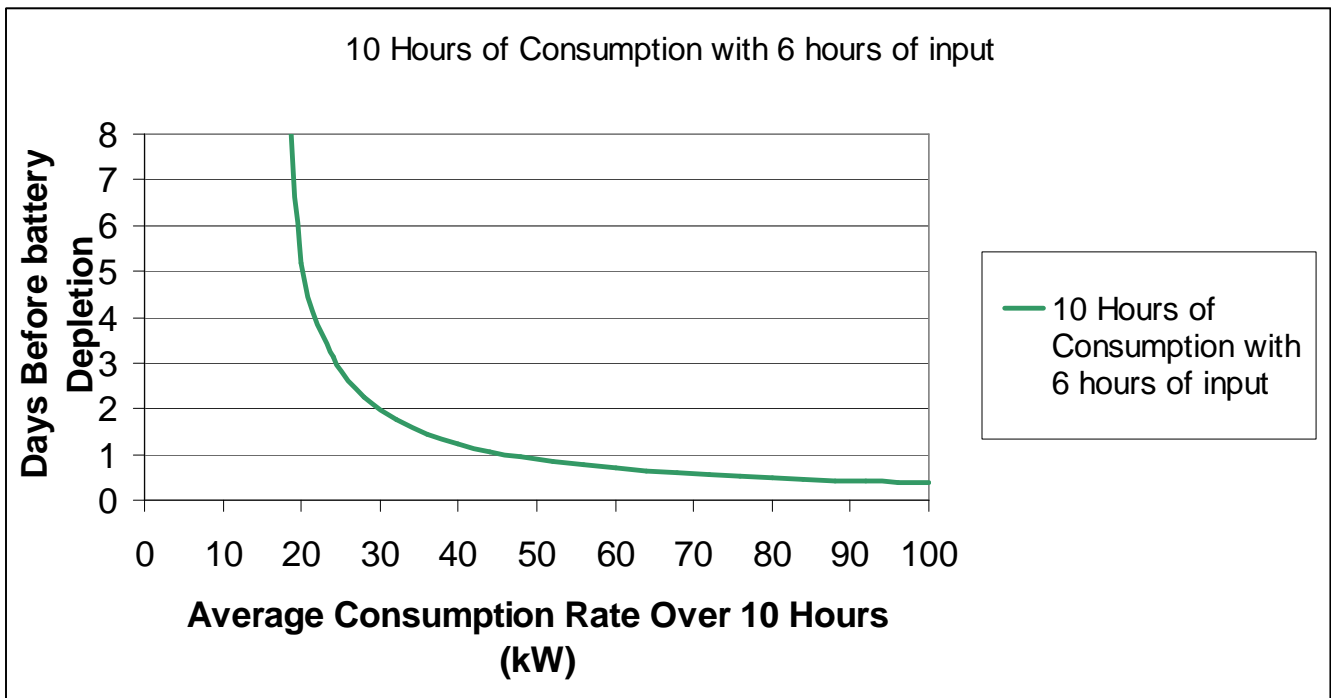


Figure 6 Sahara run time in days

