

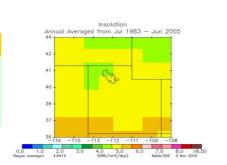
Utah

(Salt Lake City)

Practical effect to be expected of SolarDrive S2E (200 W)

Utility Vehicle/Trail Ty	/pe			Flat	Hilly	Mount.
Consumption per mile			kWh	0.18	0.24	0.32
Power production	High	(best month)	kWh	1.31	1.31	1.31
Extra mileage supplied	by S2E High	(best month)	Miles	7.27	5.45	4.09
Power production	Low	(weakest month)	kWh	0.40	0.40	0.40
Extra mileage supplied	by S2E Low	(weakest month)	Miles	2.22	1.67	1.25
Power production	Year	ly Average	kWh	0.82	0.82	0.82
Extra mileage supplied	by S2E Year	ly Average	Miles	4.58	3.43	2.57

^{*}Percentage of Required Power



564 lbs.

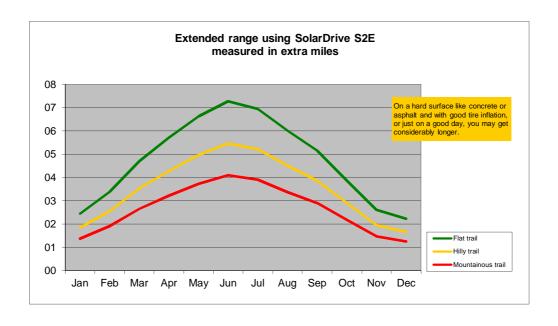
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or

to

Basic data

Nominal effect	kW	0.200							Lat.	40.5	Lon.	-111.5	
Solar insolation	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
kWh/m2/day**	2.33	3.19	4.51	5.57	6.59	7.38	7.14	6.14	5.18	3.79	2.48	2.08	4.7
Avg. day temperature (C)	2.9	-0.5	5.2	11.3	17.8	23.8	28.1	26.5	20.5	12.6	2.2	-2.9	11.9
Avg. day temperature (F)	37.1	31.1	41.4	52.3	64.0	74.8	82.6	79.7	68.9	54.7	36.0	26.8	53.4
Temperature loss factor	1.01	1.02	1.00	0.98	0.96	0.94	0.93	0.94	0.95	0.98	1.01	1.02	0.93
System loss factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Expected output kWh	0.44	0.61	0.85	1.03	1.19	1.31	1.25	1.08	0.93	0.70	0.47	0.40	0.82
Extra miles per day													
(1 mile 0 1.609 km)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Flat trail	2.4	3.4	4.7	5.7	6.6	7.3	6.9	6.0	5.2	3.9	2.6	2.2	4.6
Hilly trail	1.8	2.5	3.5	4.3	5.0	5.5	5.2	4.5	3.9	2.9	2.0	1.7	3.4
Mountainous trail	1.4	1.9	2.6	3.2	3.7	4.1	3.9	3.4	2.9	2.2	1.5	1.3	2.6
Electricity savings in per	cent assumi	ng your u	tility vehi	cle drives	7 miles	in average	e per day						
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Flat trail	35%	48%	67%	82%	95%	104%	99%	86%	74%	55%	37%	32%	65%
Hilly trail	26%	36%	50%	61%	71%	78%	74%	64%	55%	41%	28%	24%	49%
Mountainous trail	20%	27%	38%	46%	53%	58%	56%	48%	41%	31%	21%	18%	37%



Potential CO2 savings/car/year*** 149 to 256 kilos

**Source: NASA Langley Research Center Atmospheric Science Data Center (22 year average)
***CO2 savings are calculated compared to grid electricity supplied from modern power plants burning fossil fuels (0.49-0.85 kg CO2/kWh)

Disclaimer:

SolarDrive takes no responsability for the correctness of the basic data obtained from NASA nor for the actual experienced results. The figures above is presented as a guideline only. The actual result may be influenced by many other factors as well e.g. length of course, battery watering, altitude, time of year, time of day, present weather conditions, local shades from houses, trees, mountains, tire inflation, general maintenance etc.

^{****}If battery charge level is low from the start the S2E must be allowed the necessary time to charge as the energy is accumulated over the day