Seychelles

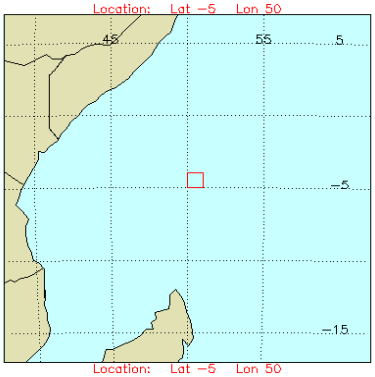
Average score 93%

Highest 151%
Lowest 60%

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

Trail type - golf course			Flat	Hilly	Mount.
Consumption	18 holes	kWh	0.80	1.10	1.60
Power production	High (best month)	kWh	1.21	1.21	1.21
PRP* supplied by SolarDrive S2E	High (best month)	kWh	**151%**	**110%**	**75%**
Power production	Low (weakest month)	kWh	0.97	0.97	0.97
PRP* supplied by SolarDrive S2E	Low (weakest month)	kWh	**121%**	**88%**	**60%**
Power production	Yearly Average	kWh	1.02	1.02	1.02
PRP* supplied by SolarDrive S2E	Yearly Average	kWh	**128%**	**93%**	**64%**

*Percentage of Required Power



Basic data

Nominal effect kW 0.200

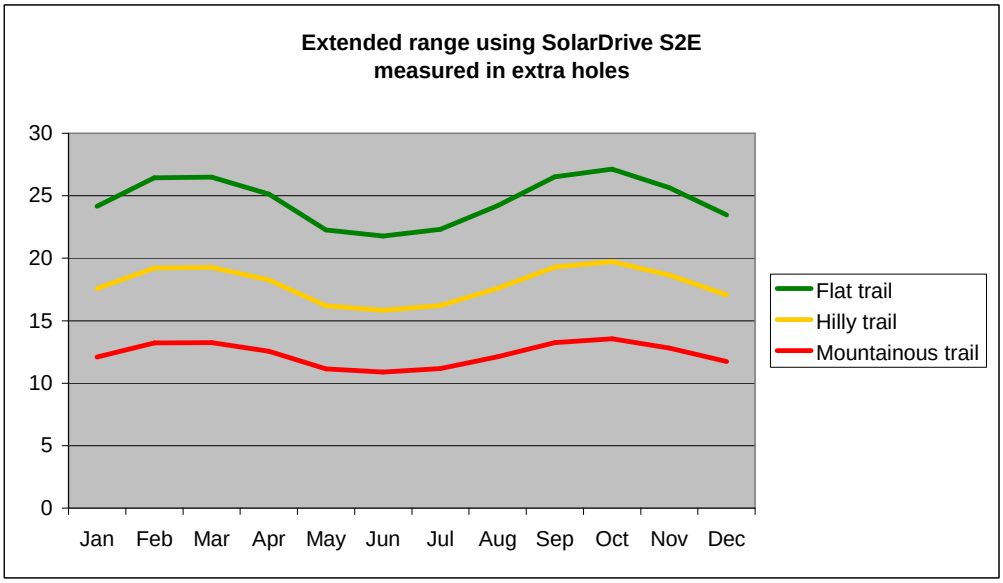
Solar insolation	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
kWh/m2/day**	6.13	6.71	6.73	6.39	5.66	5.51	5.63	6.11	6.7	6.86	6.49	5.95	6.23
Avg. day temperature (C)	27.7	27.9	28.1	28.4	28.2	26.9	26.0	26.0	26.5	26.8	27.1	27.6	27.2
Avg. day temperature (F)	81.9	82.2	82.6	83.1	82.8	80.4	78.8	78.8	79.7	80.2	80.8	81.7	81.0
Temperature loss factor	0.93	0.93	0.93	0.93	0.93	0.93	0.94	0.94	0.94	0.93	0.93	0.93	0.87
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	1.07	1.17	1.18	1.12	0.99	0.97	0.99	1.08	1.18	1.21	1.14	1.04	1.02

Percentage of consumption driving 18 golf holes on

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Flat trail	134%	147%	147%	140%	124%	121%	124%	135%	147%	151%	142%	130%	128%
Hilly trail	98%	107%	107%	102%	90%	88%	90%	98%	107%	110%	104%	95%	93%
Mountainous trail	67%	73%	74%	70%	62%	60%	62%	67%	74%	75%	71%	65%	64%

Additional golf holes using SolarDrive on Top

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Flat trail	24	26	26	25	22	22	22	24	27	27	26	23	23
Hilly trail	18	19	19	18	16	16	16	18	19	20	19	17	17
Mountainous trail	12	13	13	13	11	11	11	12	13	14	13	12	11



Potential CO2 savings/car/year* 184 to 317 kilos or 407 to 698 lbs.**

**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)
****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

Disclaimer: *SolarDrive takes no responsibility for the correctness of the basic data obtained from the National Aeronautics and Space Administration (NASA), nor for the actual experienced results. The figures above are presented as a guideline only. Actual results may be influenced by many other varying factors such as length of course, altitude, seasonal and present weather conditions, time of year and day, shading (e.g., from buildings, houses, trees, mountains) and regular or irregular maintenance routines of the batteries and golf car.*