Equador

(Guayaquil)

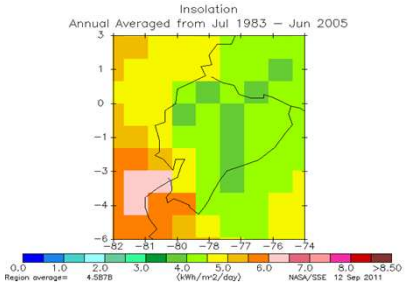
Average score* 73%

Highest 111%
Lowest 44%

Practical effect to be expected from 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	0.89	0.89	0.89
PRP* supplied by SolarDrive S2E	High (best month)		**111%**	**81%**	**56%**
Power production	Low (weakest month)	kWh	0.70	0.70	0.70
PRP* supplied by SolarDrive S2E	Low (weakest month)		**88%**	**64%**	**44%**
Power production	Yearly Average	kWh	0.80	0.80	0.80
PRP* supplied by SolarDrive S2E	Yearly Average		**100%**	**73%**	**50%**

*Percentage of Required Power driving 18 holes on a golf course



Basic data

Nominal effect kW 0.200 Lat. -2.5 Lon. -79.5

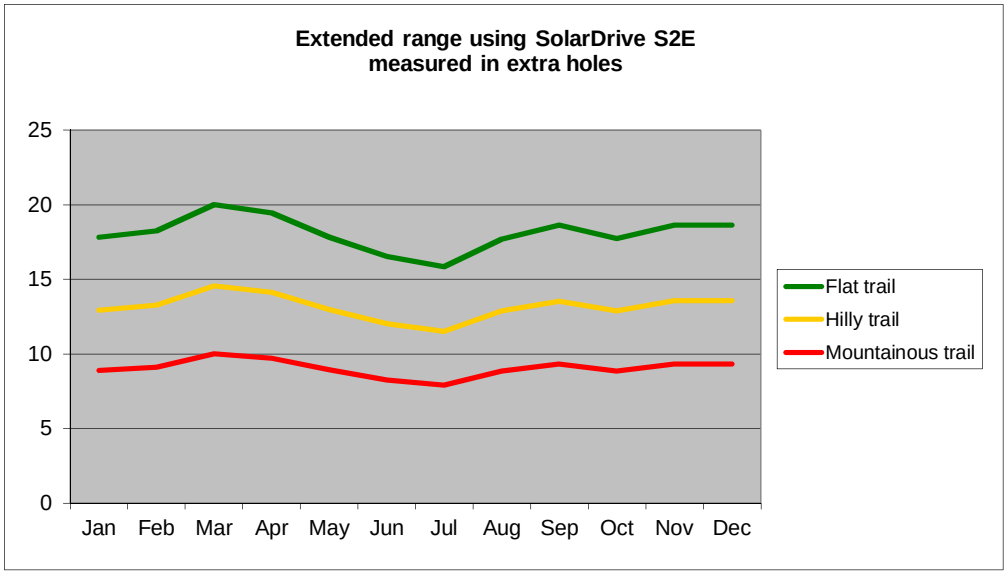
Solar insolation	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Average**
kWh/m2/day**	4.49	4.59	5.04	4.91	4.51	4.18	4.01	4.5	4.74	4.51	4.72	4.71	4.57
Avg. day temperature (C)	25.9	25.3	25.6	26.4	26.7	26.7	27.3	28.4	28.8	28.4	27.2	26.3	26.9
Avg. day temperature (F)	78.6	77.5	78.1	79.5	80.1	80.1	81.1	83.1	83.8	83.1	81.0	79.3	80.4
Temperature loss factor	0.94	0.94	0.94	0.94	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.94	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	0.79	0.81	0.89	0.86	0.79	0.73	0.70	0.79	0.83	0.79	0.83	0.83	0.80

Percentage of consumption driving 18 golf holes on

	Jan	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Average**
Flat trail	99%	101%	111%	108%	99%	92%	88%	98%	103%	99%	104%	104%	100%
Hilly trail	72%	74%	81%	79%	72%	67%	64%	72%	75%	72%	75%	75%	73%
Mountainous trail	49%	51%	56%	54%	50%	46%	44%	49%	52%	49%	52%	52%	50%

Additional golf holes using SolarDrive on Top

	Jan	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Average**
Flat trail	18	18	20	19	18	17	16	18	19	18	19	19	18
Hilly trail	13	13	15	14	13	12	12	13	14	13	14	14	13
Mountainous trail	9	9	10	10	9	8	8	9	9	9	9	9	9



Potential CO2 savings/car/year* 145 to 249 kilos or 320 to 549 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.*