Florida Middle

(Orlando)

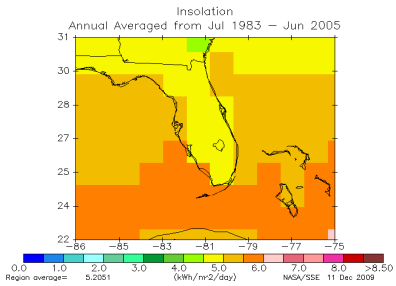
Average score 70%

Highest 137%
Lowest 34%

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

Trail type - golf course			Light	Medium	Heavy
Consumption	18 holes	kWh	0.80	1.10	1.60
Power production	High (best month)	kWh	1.10	1.10	1.10
PRP* supplied by SolarDrive S2E	High (best month)	kWh	**137%**	**100%**	**69%**
Power production	Low (weakest month)	kWh	0.55	0.55	0.55
PRP* supplied by SolarDrive S2E	Low (weakest month)	kWh	**69%**	**50%**	**34%**
Power production	Yearly Average	kWh	0.77	0.77	0.77
PRP* supplied by SolarDrive S2E	Yearly Average	kWh	**96%**	**70%**	**48%**

*Percentage of Required Power



Basic data

Nominal effect kW 0.200 Lat. 28.3 Lon. -81.2

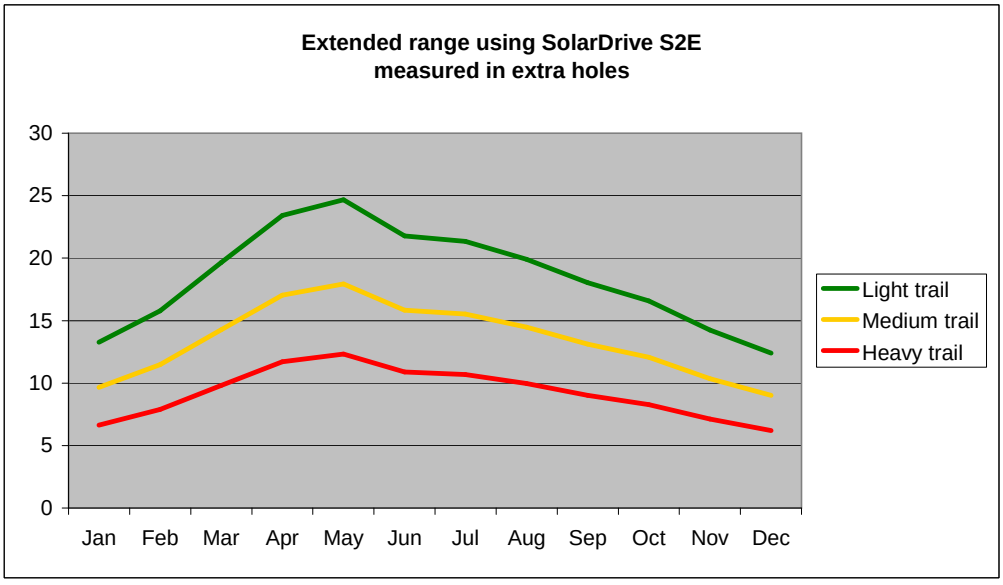
Solar insolation	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Average**
kWh/m2/day**	3.29	3.93	4.92	5.9	6.27	5.56	5.46	5.09	4.59	4.19	3.57	3.08	4.65
Avg. day temperature (C)	20.2	21.7	23.8	25.6	28.3	29.6	30.3	30	28.9	26.6	23.9	20.9	25.8
Avg. day temperature (F)	68.4	71.1	74.8	78.1	82.9	85.3	86.5	86.0	84.0	79.9	75.0	69.6	78.4
Temperature loss factor	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.93	0.93	0.94	0.94	0.95	0.88
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	0.59	0.70	0.87	1.04	1.10	0.97	0.95	0.89	0.80	0.74	0.63	0.55	0.77

Percentage of consumption driving 18 golf holes on

	Jan	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Average**
Light trail	74%	88%	109%	130%	137%	121%	119%	111%	100%	92%	79%	69%	96%
Medium trail	54%	64%	79%	95%	100%	88%	86%	80%	73%	67%	58%	50%	70%
Heavy trail	37%	44%	55%	65%	69%	61%	59%	55%	50%	46%	40%	34%	48%

Additional golf holes using SolarDrive on Top

	Jan	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Average**
Light trail	13	16	20	23	25	22	21	20	18	17	14	12	17
Medium trail	10	11	14	17	18	16	16	14	13	12	10	9	13
Heavy trail	7	8	10	12	12	11	11	10	9	8	7	6	9



Potential CO2 savings/car/year* 139 to 238 kilos or 306 to 525 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