Jamaica

(Kingston)

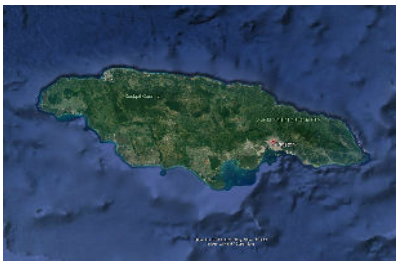
Average score* 169%

Highest 275%
Lowest 88%

Practical effect to be expected from SolarDrive S6F (370 W)

Trail type - golf course			Flat	Hilly	Mount.
Consumption	18 holes	kWh	0.80	1.10	1.60
Power production	High (best month)	kWh	2.20	2.20	2.20
PRP* supplied by SolarDrive S6F	High (best month)		**275%**	**200%**	**137%**
Power production	Low (weakest month)	kWh	1.41	1.41	1.41
PRP* supplied by SolarDrive S6F	Low (weakest month)		**176%**	**128%**	**88%**
Power production	Yearly Average	kWh	1.86	1.86	1.86
PRP* supplied by SolarDrive S6F	Yearly Average		**233%**	**169%**	**116%**

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



Basic data

Nominal effect kW 0.370 Lat. 18 Lon. -77

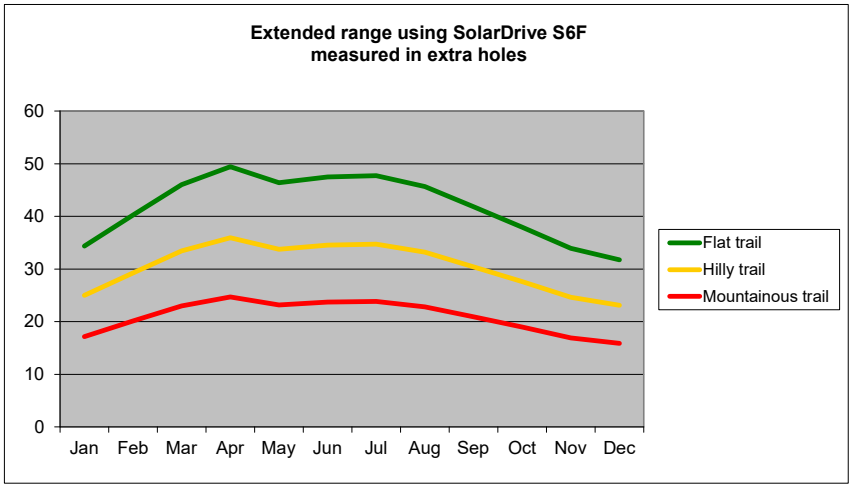
Solar insolation	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
kWh/m2/day**	4.94	5.79	6.62	7.12	6.69	6.86	6.91	6.61	6.05	5.49	4.9	4.58	6.04
Avg. day temperature (C)	26.9	26.8	26.8	27.1	27.5	28.1	28.3	28.4	28.2	28.1	28	27.5	27.6
Avg. day temperature (F)	80.4	80.2	80.2	80.8	81.5	82.6	82.9	83.1	82.8	82.6	82.4	81.5	81.7
Temperature loss factor	0.89	0.89	0.89	0.89	0.89	0.88	0.88	0.88	0.88	0.88	0.88	0.89	0.89
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	1.53	1.79	2.05	2.20	2.06	2.11	2.12	2.03	1.86	1.69	1.51	1.41	1.86

Percentage of consumption driving 18 golf holes on

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Flat trail	191%	224%	256%	275%	258%	264%	265%	254%	232%	211%	188%	176%	233%
Hilly trail	139%	163%	186%	200%	187%	192%	193%	185%	169%	153%	137%	128%	169%
Mountainous trail	95%	112%	128%	137%	129%	132%	133%	127%	116%	106%	94%	88%	116%

Additional golf holes using SolarDrive on Top

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Flat trail	34	40	46	49	46	47	48	46	42	38	34	32	42
Hilly trail	25	29	33	36	34	35	35	33	30	28	25	23	30
Mountainous trail	17	20	23	25	23	24	24	23	21	19	17	16	21



Potential CO2 savings/car/year* 204 to 577 kilos or 449 to 1273 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 (0.30-0.85 kg CO2/kWh)
****If battery charge level is low from the start the S6F 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.*