



The SMART SWITCH is an innovative home power management system designed to optimize electricity usage and reduce energy costs for homeowners. This cutting-edge panel intelligently switches between grid or solar supply and battery power based on time-of-use schedules, ensuring that households always benefit from the lowest electricity rates.



Time	Ave Usage	Cycle	Battery used	Total used	Battery charge	Total charge	Total usage	Mains usage	TOU Price	Mains cost	Panel cost
0:00	703	Mains / Charging			1280		703	1885	\$ 0.075	\$ 0.053	\$ 0.148
1:00	756	Mains / Charging			1280		756	2039	\$ 0.075	\$ 0.057	\$ 0.153
2:00	651	Mains / Charging			1280		651	1821	\$ 0.075	\$ 0.048	\$ 0.145
3:00	658	Mains / Charging			1280		658	1930	\$ 0.075	\$ 0.048	\$ 0.145
4:00	654	Mains / Charging			1280	7690	654	1934	\$ 0.075	\$ 0.048	\$ 0.145
5:00	657	Mains					657	657	\$ 0.226	\$ 0.148	\$ 0.148
6:00	652	Battery power	652				652		\$ 0.226	\$ 0.147	\$ -
7:00	854	Battery power	854				854		\$ 0.226	\$ 0.193	\$ -
8:00	1123	Battery power	1123				1123		\$ 0.226	\$ 0.254	\$ -
9:00	1307	Battery power	1307				1307		\$ 0.226	\$ 0.295	\$ -
10:00	952	Battery power	952	4039			952		\$ 0.226	\$ 0.215	\$ -
11:00	657	Mains					657	657	\$ 0.226	\$ 0.148	\$ 0.148
12:00	603	Mains					603	603	\$ 0.226	\$ 0.136	\$ 0.136
13:00	551	Mains / Charging			1440		551	1991	\$ 0.075	\$ 0.041	\$ 0.149
14:00	553	Mains / Charging			1440		553	1993	\$ 0.075	\$ 0.041	\$ 0.149
15:00	558	Mains / Charging			1440		558	1998	\$ 0.075	\$ 0.042	\$ 0.150
16:00	654	Mains / Charging			1440	5760	654	2094	\$ 0.075	\$ 0.048	\$ 0.157
17:00	702	Mains					702	702	\$ 0.226	\$ 0.150	\$ 0.150
18:00	903	Battery power	903				903		\$ 0.226	\$ 0.204	\$ -
19:00	1538	Battery power	1538				1538		\$ 0.226	\$ 0.348	\$ -
20:00	2021	Battery power	2021				2021		\$ 0.226	\$ 0.457	\$ -
21:00	2003	Battery power	2003				2003		\$ 0.226	\$ 0.453	\$ -
22:00	1350	Battery power	1350	7815			1350		\$ 0.226	\$ 0.305	\$ -
23:00	912	c			1280		912	2132	\$ 0.075	\$ 0.068	\$ 0.164
Totals	21972			12705		13440	21972	22709		\$ 158	\$ 2.18

