

Making a 1980's bungalow in Church Stretton more energy efficient

Cost savings and energy savings of the technology

Having now fine tuned our eddi P.V. controller, the system is running at maximum efficiency and below are our electricity costs for the first seven months of 2023. These figures are the running costs for, house, heat pump (including hot water), mains topping up of the storage battery and electric car charging. Considering the monthly standing charge for electricity is £15.70 these costs show just what can be achieved with a 12 panel P.V. system. Since April we have been running the E.V. mostly on sunshine and we are still able to export. June was an exception as we had wall to wall sunshine almost every day.

Electricity				
Octopus Go				
Daily Standing Charge 52.32p				
00.30 - 04.		9.50p		
04.30 - 00.30		29.90p		
			Export kW's	
Jan	£215.26		17	
Feb	£108.08		8	
March	£50.68		1	
April	£50.68		20	
May	£35.58		25	
June	£35.36		219	
July	£30.08		66	

Running Totals from January 2023											
Electricity Import		Electricity Export		Gas		Heat Meter		Generation		Water	
Date	kWh	Date	kWh	Date	kWh	Date	kWh	Date	kWh	Date	Cubic M
07.01.23	947	07.01.23	17	07.01.23	18	07.01.23	673	07.01.23	431	07.01.23	3
11.02.23	510	11.02.23	8	11.02.23	16	11.02.23	721	11.02.23	286	11.02.23	5
07.03.23	520	07.03.23	1	07.03.23	22	07.03.23	430	07.03.23	426	07.03.23	3
09.04.23.	399	09.04.23.	20	09.04.23.	14	09.04.23.	260	09.04.23.	387	09.04.23.	3
07.05.23.	150	07.05.23.	25	07.05.23.	20	07.05.23.	47	07.05.23.	605	07.05.23.	7
11.06.23.	100	11.06.23.	219	11.06.23.	12	11.06.23.	0	11.06.23.	426	11.06.23.	3
07.07.23	168	07.07.23	66	07.07.23	22	07.07.23	16	07.07.23	276	07.07.23	3
07.08.23		07.08.23	76	07.08.23		07.08.23		07.08.23		07.08.23	
TOTAL	2794	TOTAL	432	TOTAL	124	TOTAL	2147	TOTAL	2837	TOTAL	27