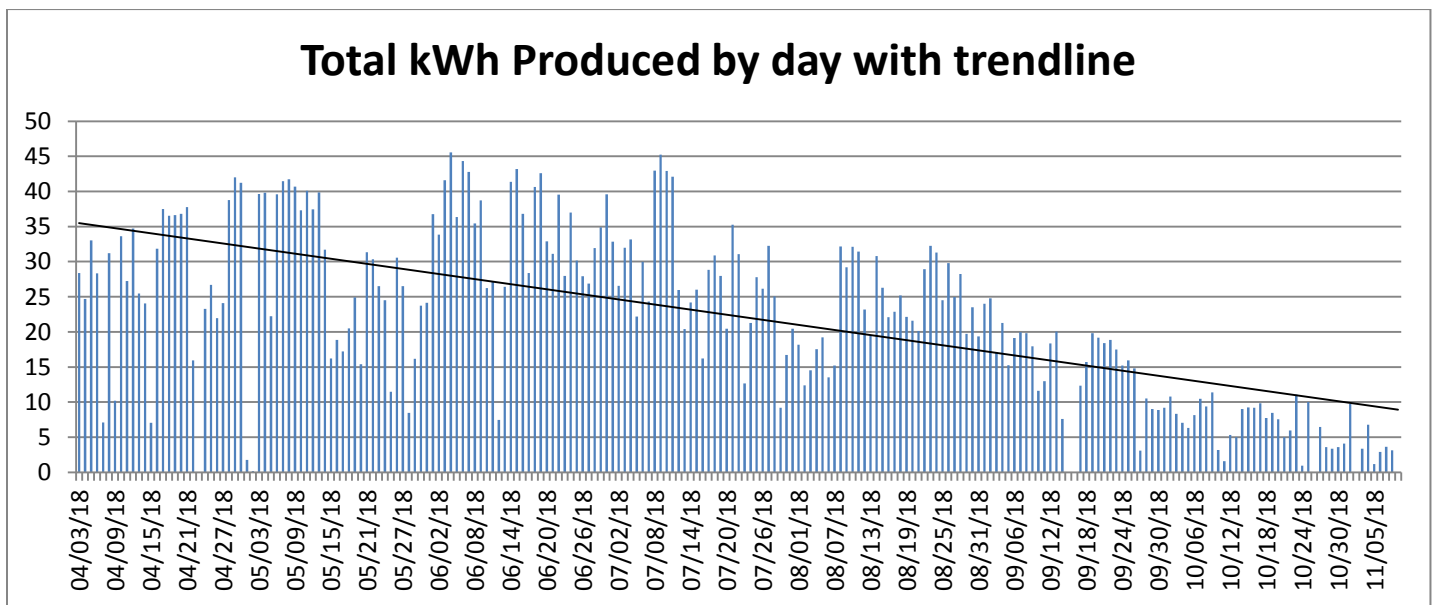
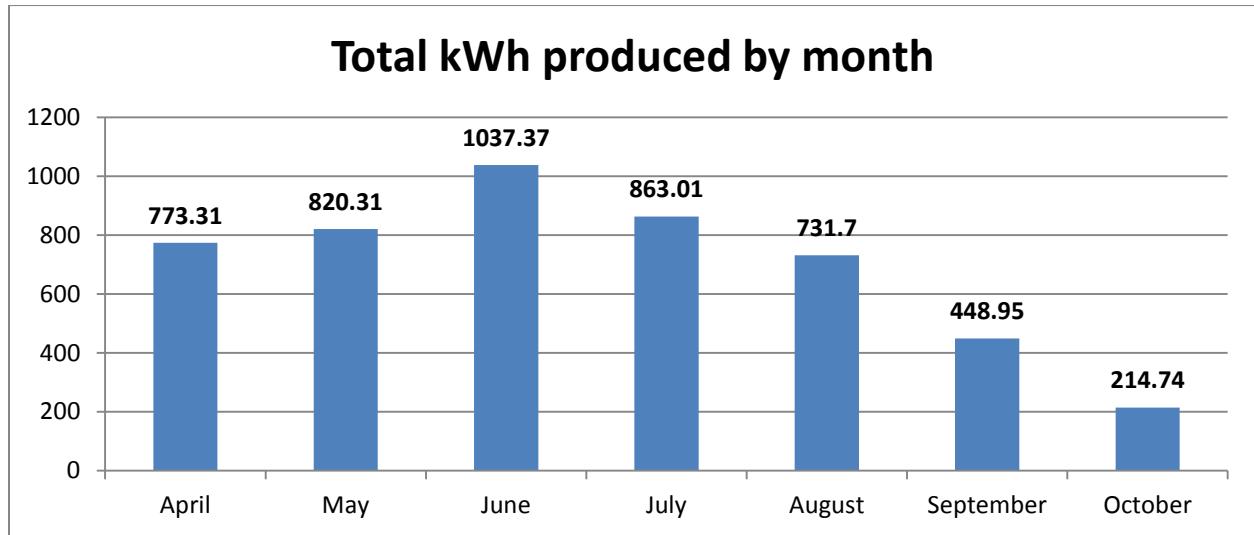


Oster Solar Panel kWh Production (Charts)

The charts below indicate the kWh produced each month/day since the Solar Panel system was installed in April 2018 until major issues began in October 2018. The trend shows that after June 2018 the system gradually started producing less and less per day. From October 2018 until June 2019 the system produced no solar energy.



Oster Solar Panel kWh Production (1 page Summary)

The data below indicates the kWh produced each day since the Solar Panel system was installed. The highlighted cells indicate days in which the system only produced for a portion of the day (usually the day after rain). The trend shows that the system is gradually producing less and less per day. It is anticipated that Spring and Fall days will produce less than Summer days (when the sun is higher in the sky), however production in Sept & Oct should come close to that of April.

APRIL	kWh	05/18/18	20.5	07/02/18	26.56	08/17/18	22.85	10/01/18	9.2
04/03/18	28.4	05/19/18	24.92	07/03/18	31.97	08/18/18	25.19	10/02/18	10.79
04/04/18	24.67	05/20/18	15.4	07/04/18	33.15	08/19/18	22.15	10/03/18	8.31
04/05/18	33.04	05/21/18	31.35	07/05/18	22.19	08/20/18	21.58	10/04/18	7.04
04/06/18	28.33	05/22/18	30.35	07/06/18	29.97	08/21/18	20.11	10/05/18	6.3
04/07/18	7.1	05/23/18	26.51	07/07/18	24.3	08/22/18	28.92	10/06/18	8.16
04/08/18	31.22	05/24/18	24.49	07/08/18	42.98	08/23/18	32.26	10/07/18	10.45
04/09/18	10.17	05/25/18	11.46	07/09/18	45.25	08/24/18	31.29	10/08/18	9.37
04/10/18	33.6	05/26/18	30.57	07/10/18	42.9	08/25/18	24.52	10/09/18	11.39
04/11/18	27.26	05/27/18	26.52	07/11/18	42.12	08/26/18	29.77	10/10/18	3.19
04/12/18	34.71	05/28/18	8.44	07/12/18	25.95	08/27/18	24.97	10/11/18	1.58
04/13/18	25.47	05/29/18	16.16	07/13/18	20.41	08/28/18	28.23	10/12/18	5.3
04/14/18	24.04	05/30/18	23.72	07/14/18	24.18	08/29/18	19.74	10/13/18	5
04/15/18	7.05	05/31/18	24.15	07/15/18	26.02	08/30/18	23.48	10/14/18	8.99
04/16/18	31.83	JUNE	kWh	07/16/18	16.21	08/31/18	19.34	10/15/18	9.23
04/17/18	37.48	06/01/18	36.76	07/17/18	28.84	SEPT	kWh	10/16/18	9.2
04/18/18	36.56	06/02/18	33.84	07/18/18	30.87	09/01/18	24.01	10/17/18	9.83
04/19/18	36.63	06/03/18	41.6	07/19/18	27.96	09/02/18	24.8	10/18/18	7.75
04/20/18	36.82	06/04/18	45.58	07/20/18	20.45	09/03/18	17.09	10/19/18	8.47
04/21/18	37.78	06/05/18	36.34	07/21/18	35.26	09/04/18	21.28	10/20/18	7.54
04/22/18	15.92	06/06/18	44.34	07/22/18	31.08	09/05/18	15.23	10/21/18	5
04/23/18	0	06/07/18	42.8	07/23/18	12.65	09/06/18	19.14	10/22/18	5.94
04/24/18	23.29	06/08/18	35.43	07/24/18	21.25	09/07/18	19.94	10/23/18	11.06
04/25/18	26.69	06/09/18	38.71	07/25/18	27.8	09/08/18	19.8	10/24/18	0.93
04/26/18	21.96	06/10/18	26.23	07/26/18	26.14	09/09/18	17.92	10/25/18	10.01
04/27/18	24.1	06/11/18	27.23	07/27/18	32.27	09/10/18	11.61	10/26/18	0
04/28/18	38.79	06/12/18	7.44	07/28/18	25.04	09/11/18	12.95	10/27/18	6.46
04/29/18	42.02	06/13/18	26.4	07/29/18	9.2	09/12/18	18.35	10/28/18	3.58
04/30/18	41.21	06/14/18	41.36	07/30/18	16.73	09/13/18	20.04	10/29/18	3.35
MAY	kWh	06/15/18	43.19	07/31/18	20.46	09/14/18	7.58	10/30/18	3.57
05/01/18	1.77	06/16/18	36.8	AUGUST	kWh	09/15/18	0	10/31/18	4.07
05/02/18	0.18	06/17/18	28.36	08/01/18	18.17	09/16/18	0	NOV	kWh
05/03/18	39.65	06/18/18	40.65	08/02/18	12.4	09/17/18	12.35	11/01/18	9.72
05/04/18	39.81	06/19/18	42.61	08/03/18	14.53	09/18/18	15.69	11/02/18	0
05/05/18	22.22	06/20/18	32.87	08/04/18	17.55	09/19/18	19.8	11/03/18	3.37
05/06/18	39.6	06/21/18	31.13	08/05/18	19.2	09/20/18	19.19	11/04/18	6.78
05/07/18	41.44	06/22/18	39.54	08/06/18	13.52	09/21/18	18.41	11/05/18	1.15
05/08/18	41.72	06/23/18	27.99	08/07/18	15.21	09/22/18	18.86	11/06/18	2.88
05/09/18	40.7	06/24/18	36.98	08/08/18	32.17	09/23/18	17.5	11/07/18	3.61
05/10/18	37.33	06/25/18	30.15	08/09/18	29.19	09/24/18	15.2	11/08/18	3.12
05/11/18	40.08	06/26/18	27.92	08/10/18	32.13	09/25/18	15.92		
05/12/18	37.47	06/27/18	26.89	08/11/18	31.41	09/26/18	14.8		
05/13/18	39.87	06/28/18	31.93	08/12/18	23.19	09/27/18	3.09		
05/14/18	31.71	06/29/18	34.9	08/13/18	19.43	09/28/18	10.52		
05/15/18	16.22	06/30/18	39.59	08/14/18	30.81	09/29/18	8.99		
05/16/18	18.87	JULY	kWh	08/15/18	26.29	09/30/18	8.88		
05/17/18	17.2	07/01/18	32.84	08/16/18	22.11	OCT	kWh		

Oster Solar Panel kWh Production (Detailed information)

The data below includes weather and comments for certain days which I tracked. Unfortunately, I didn't track weather for most of the period covered. The chart shows the time that production started/ended on problem days

Date	Prod kWh	Weather	Production Comment
04/03/18	28.4		
04/04/18	24.67		
04/05/18	33.04		
04/06/18	28.33		
04/07/18	7.1		
04/08/18	31.22		
04/09/18	10.17		
04/10/18	33.6	sunny	
04/11/18	27.26	mostly cloudy	
04/12/18	34.71	sunny	
04/13/18	25.47	mostly cloudy	
04/14/18	24.04	mostly cloudy	
04/15/18	7.05	rain	
04/16/18	31.83	scattered clouds	
04/17/18	37.48	sunny	
04/18/18	36.56	sunny	
04/19/18	36.63	sunny	
04/20/18	36.82	sunny	
04/21/18	37.78	sunny	
04/22/18	15.92	cloudy/rain	
04/23/18	0	cloudy/rain	
04/24/18	23.29	cloudy	
04/25/18	26.69	cloudy	
04/26/18	21.96	cloudy/rain	
04/27/18	24.1	cloudy	
04/28/18	38.79	sunny	
04/29/18	42.02	sunny	
04/30/18	41.21	sunny	
05/01/18	1.77		stopped at 11 am
05/02/18	0.18		started at 8 pm
05/03/18	39.65		
05/04/18	39.81		
05/05/18	22.22		
05/06/18	39.6		
05/07/18	41.44		
05/08/18	41.72		
05/09/18	40.7		
05/10/18	37.33		
05/11/18	40.08		
05/12/18	37.47		
05/13/18	39.87		
05/14/18	31.71		

05/15/18	16.22		
05/16/18	18.87		
05/17/18	17.2		
05/18/18	20.5		
05/19/18	24.92		
05/20/18	15.4		
05/21/18	31.35		
05/22/18	30.35		
05/23/18	26.51		
05/24/18	24.49		
05/25/18	11.46		started at noon
05/26/18	30.57		started at 10 am
05/27/18	26.52		
05/28/18	8.44		started at 2:30 pm
05/29/18	16.16		started at noon
05/30/18	23.72		started at noon
05/31/18	24.15		
06/01/18	36.76		
06/02/18	33.84		started at 10:30 am
06/03/18	41.6		
06/04/18	45.58		
06/05/18	36.34		
06/06/18	44.34		
06/07/18	42.8		
06/08/18	35.43		
06/09/18	38.71		
06/10/18	26.23		started at noon
06/11/18	27.23		
06/12/18	7.44		started at noon
06/13/18	26.4		
06/14/18	41.36		
06/15/18	43.19		
06/16/18	36.8		
06/17/18	28.36		
06/18/18	40.65		
06/19/18	42.61		
06/20/18	32.87		
06/21/18	31.13		
06/22/18	39.54		
06/23/18	27.99		started at noon
06/24/18	36.98		
06/25/18	30.15		Started at 11 am
06/26/18	27.92		Started at noon
06/27/18	26.89		Started at noon

06/28/18	31.93		Started at noon
06/29/18	34.9		
06/30/18	39.59		
07/01/18	32.84		
07/02/18	26.56		
07/03/18	31.97		
07/04/18	33.15		
07/05/18	22.19		
07/06/18	29.97		
07/07/18	24.3		
07/08/18	42.98		
07/09/18	45.25		
07/10/18	42.9		
07/11/18	42.12		
07/12/18	25.95		
07/13/18	20.41		
07/14/18	24.18		
07/15/18	26.02		
07/16/18	16.21		
07/17/18	28.84		
07/18/18	30.87		Started at noon
07/19/18	27.96		
07/20/18	20.45		
07/21/18	35.26		
07/22/18	31.08		Started at noon
07/23/18	12.65		
07/24/18	21.25		Started at noon
07/25/18	27.8		
07/26/18	26.14		Started at noon
07/27/18	32.27		
07/28/18	25.04		
07/29/18	9.2		Stopped at noon
07/30/18	16.73		Started at noon
07/31/18	20.46		
08/01/18	18.17		Started at noon
08/02/18	12.4		Started at noon
08/03/18	14.53		Started at noon
08/04/18	17.55		Started at noon
08/05/18	19.2		Started at noon
08/06/18	13.52		Started at noon
08/07/18	15.21		Stopped at 2pm
08/08/18	32.17		
08/09/18	29.19		
08/10/18	32.13		
08/11/18	31.41		
08/12/18	23.19		
08/13/18	19.43		Started at noon
08/14/18	30.81		

08/15/18	26.29		
08/16/18	22.11		
08/17/18	22.85		Started at noon
08/18/18	25.19		
08/19/18	22.15		
08/20/18	21.58		
08/21/18	20.11		
08/22/18	28.92		
08/23/18	32.26		
08/24/18	31.29		
08/25/18	24.52		
08/26/18	29.77		
08/27/18	24.97		
08/28/18	28.23		
08/29/18	19.74		
08/30/18	23.48		
08/31/18	19.34		
09/01/18	24.01		
09/02/18	24.8		
09/03/18	17.09		
09/04/18	21.28		
09/05/18	15.23		
09/06/18	19.14		
09/07/18	19.94		
09/08/18	19.8		
09/09/18	17.92		
09/10/18	11.61		
09/11/18	12.95		
09/12/18	18.35		
09/13/18	20.04		
09/14/18	7.58		
09/15/18	0		No production
09/16/18	0		No production
09/17/18	12.35		
09/18/18	15.69		
09/19/18	19.8		
09/20/18	19.19		
09/21/18	18.41		
09/22/18	18.86		
09/23/18	17.5		
09/24/18	15.2		
09/25/18	15.92		
09/26/18	14.8		
09/27/18	3.09		Down frequently
09/28/18	10.52		started at noon
09/29/18	8.99		
09/30/18	8.88		started at noon
10/01/18	9.2		

10/02/18	10.79		
10/03/18	8.31		
10/04/18	7.04		
10/05/18	6.3		
10/06/18	8.16		
10/07/18	10.45		
10/08/18	9.37		
10/09/18	11.39		
10/10/18	3.19		started at 3pm
10/11/18	1.58		started at 4pm
10/12/18	5.3		
10/13/18	5		
10/14/18	8.99		
10/15/18	9.23		
10/16/18	9.2		
10/17/18	9.83		started at noon
10/18/18	7.75		
10/19/18	8.47		
10/20/18	7.54		
10/21/18	5		

10/22/18	5.94		
10/23/18	11.06	Scattered clouds	
10/24/18	0.93	Full Sun	stopped at 11 am
10/25/18	10.01	Overcast	
10/26/18	0	Overcast/rainy	No Production
10/27/18	6.46	Cloudy	started at noon
10/28/18	3.58	Occasional Clouds	
10/29/18	3.35	Occasional Clouds	
10/30/18	3.57	Full Sun	
10/31/18	4.07	Mostly cloudy	
11/01/18	9.72	Overcast	
11/02/18	0	Rainy	
11/03/18	3.37	Full Sun	
11/04/18	6.78	Mostly cloudy	
11/05/18	1.15	rainy	started at 2:30
11/06/18	2.88	Mostly Sunny	started at noon
11/07/18	3.61	Mostly Sunny	started at noon
11/08/18	3.12	Mostly cloudy	started at 1:30 pm