

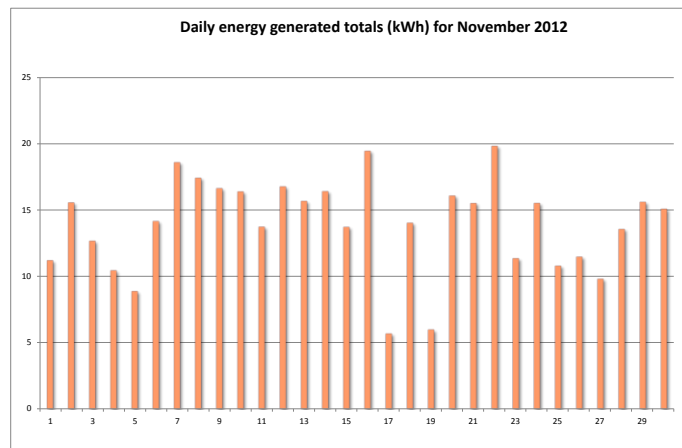
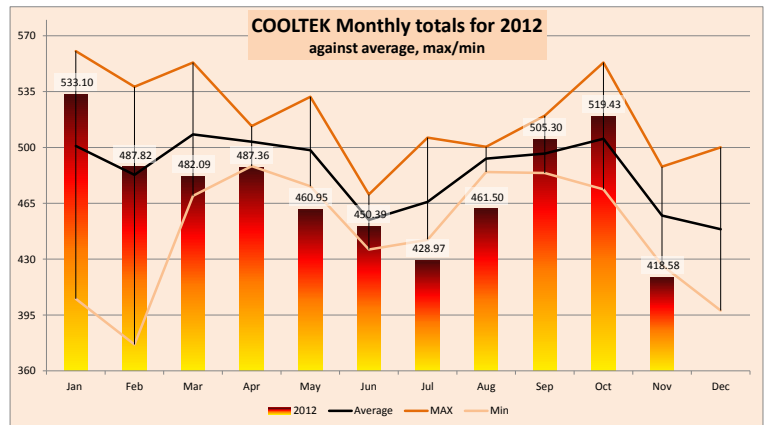
4.8 kWp BIPV SYSTEM FOR NOVEMBER 2012

Wettest November since 2004 and a simply dreadful month's generation of just 92% of the average for November

Only 419kWh were generated this month, 8% below the November average of 457kWh and the worst November total ever (highest was in 2010 with 488kWh). This is also the worst monthly generation this year, which already has seven month with below their average monthly generation totals.

The average temperature for this month was 26.4°C, the lowest monthly average this year. This reading coming after the hottest October for six years, and just shows how variable the weather is becoming.

With 30 days in November, the installation was generating for a total of just 337 hours.



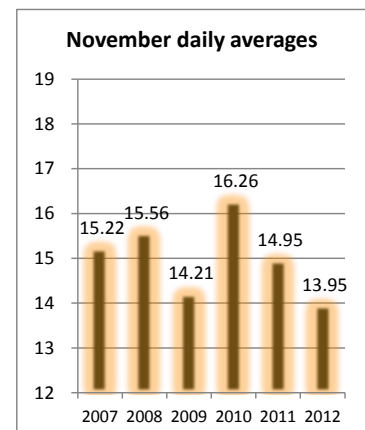
A daily maximum of 19.83kWh occurred on 22nd, with no days during the month when the system generated more than 20kWh. A minimum day's generation of a mere 5.72kWh was recorded on the 17th.

The total rainfall was almost twice the average for November, making it the wettest month since our records began in 2004. A total of 452mm of rain fell on 21 days and the wettest day of the month was 19th with 117mm of rain falling.

Average daily solar electricity generated was 13.95kWh, the second lowest figure for the year to date, and the worst for the month of November (see graph alongside).

The average daily generation for the year 2012 so far is now 15.68kWh, with the all time daily average remaining at 15.9kWh.

The system produced 68% of the energy that was consumed, even with the house being fully occupied all month.



TECHNICAL DATA

An explanation of Monthly Specific Yield (kWh/kWp/pm):

A figure allowing easy PV array comparison independent of installed size. It is arrived at by dividing the month's energy generated by the maximum design output from the specific array.

Monthly rates for generation of solar power for 4.8kWp system since installation

	2007	2008	2009	2010	2011	2012
Jan		104.65	118.82	111.61	84.41	111.06
Feb		102.86	78.44	112.09	108.99	101.67
Mar		97.85	106.94	115.26	103.40	100.44
Apr		104.28	106.95	101.74	106.65	101.53
May		106.12	110.77	99.49	99.10	96.03
Jun		90.85	98.04	95.58	94.34	93.83
Jul		92.12	95.10	95.57	105.44	89.37
Aug		100.95	104.00	104.26	101.65	96.15
Sep		108.33	102.34	100.84	101.98	105.27
Oct		104.00	115.26	98.70	103.26	108.21
Nov	98.26	97.24	88.81	101.65	93.43	87.20
Dec	95.23	97.60	104.18	89.33	82.88	
Average	96.74	100.57	102.30	102.18	98.79	99.16

SOLAR GENERATED ELECTRICITY for November (31 days)

Total energy generated for 4.8 kWp installation	418.58	kWh
Equivalent to	87.20	kWh/kWp
Average daily energy generated	13.95	kWh
Total time system active & generating	337	hours
Daily average time system active	11.23	hours
Average hourly energy generation while operating	1.25	kWh / hr
Maximum average energy generated over 10 mins. interval	3,937	watts
Or percentage of claimed system 4.8 kW peak	82%	

FiT UPDATE

FiT payments are now fully up to date according to the terms of the REPPA. A total of RM6,175.80 has been received with November payment of RM605.90 due before 9 January 2013.

After these eleven months of the year, the installation has generated 5.2MWh of electricity, of which the ten months generation under FiT is 4.7MWh and equates to 89% of the declared FiT annual generation.