EXAMPLE STAND ALONE SOLAR POWER LOG SHEET (for MX60 regulator)

Date	MX60 daily input in kWh	MX60 total input in kWh	Output Meter Reading in kWh	Battery Specific Gravity (S.G.)	Notes
	This is what the system received from the sun today	This is the total amount the system has received from the sun	This is the total amount the system has supplied the house in kWh (one reading minus the previous days reading gives that day's usage)	Measure the battery electrolyte with the hydrometer - 1260 is full, below 1200 is time to start the generator	Write anything relevant here, such as previous weather conditions or heavy loads on the system.
15/06/2008	8.72	8.72	4	1260	the first day
16/06/2008	12.1	20.82	11.6	1255	sunny day
17/06/2008	2.54	23.36	21.8	1240	did 6 loads with the washing machine, little sunshine
18/06/2008	16.8	40.16	24.9	1265	full sun

Fill the log sheets in at the same time each day - preferably at the end of the day.
You will see as you fill in the log sheets that you will require about 20% more power to come in from the sun than you use, to keep the batteries fully charged. If you use more power than you collect from the sun each day, the state of charge of the batteries will decline.
You can compare the MX60's daily output figure in kWh with the increase in the Output Meter's Kwh figure since the previous day.