Regarding Solar System EVA 55

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Date Thursday, 1 June 2023 at 11:12

Dear Management ECI, Gran Pacifica,
I have been monitoring my solar system regularly ever since I have moved into EVA 55.
With the rainy season now happening and more moisture in the air and more cloud cover and
less UV radiation or direct sun there seems to be an issue with my solar installation.
And maybe with other systems around EVA as well.

Today, Wednesday 31st of May, the system only charged the batteries to 60%. This is just one day of several on which the system
is having problems. I had the system shutting down in the past several times. It is set to shut down at 9% battery level.

I only used the aircon during the day to keep the moisture levels low inside the house, as we all know,
the Macaw model gets very stuffy inside and there is not airflow. Basically unlivable without aircon running 24/7.
The aircon, only one, was only on for about 1 hour.
The system had discharged to around 24% by 6am today (the aircon upstairs had run all night at the lowest settings, the aircon
in the bottom bedroom had been used on and off during the night at around 29 and 28 degrees celsius, i.e. lowest settings).

With the current weather conditions the system does not seem to be able to support the use of the aircon system. I can even foresee that
if we have for example one week of bad weather, and as we all know, that is very likely to happen, that just by running the fridge my system will
eventually shut down.

It seems like some systems at EVA are setup differently and are more efficient. Just my assumption. Maybe just my inverter is already using up all the battery power or some parts of the installation are not compatible. Maybe the aircon system is not suitable for the caravan type housing condition and size of solar system. It is very hot inside this locker area where the system is installed. Both the sun and the inverter keep heating up the inside to a level that is not suitable for a solar system. I only know installations where batteries, inverters, generators etc. are all installed in a special room, sealed area, well ventilated or air-conditioned, dust and dirt-proof and not together with a washing machine next to the batteries and a dodgy wooden flimsy door

to close the area and still all the construction dust, metal dust from around here is getting into the solar installation area. Also, my solar room is facing the sun most of the day. What will happen, when we have floods and the water penetrates the batteries. The batteries are very close to the ground. The houses up here Eva 55, 54, 53 etc are not so much at risk of major flooding, whilst other houses can easily see their systems flooded.
I can see major problems coming. Maybe not this year if the rainy season is not so severe. Cross fingers. But then, one year it will happen.

I can only ask you to look into this matter and find a solution.

Saludos Cordiales, Meinolf Klemens

My system installation looks like this:


GROWATT
16 kg


AC/E-INV
CHG
FAULT
ESC
UP
DOWN
ENTER

Readings today at 4pm after a full day's charge:


AC/INV
CHG
FAULT
BATT
PV
744
W
OUTPUT
240
V
SOL.FIRST
CHARGING
SOLAR
ESC
UP
DOWN
ENTER


AC/INV
CHG
FAULT
BATT
50.2
V
LOAD
180
VA
SOL.FIRST
CHARGING
ESC
UP
DOWN
ENTER


AC/INV
CHG
FAULT
BATT
50.1 V
BATT
60 %
SOL_FIRST
CHARGING
SOLAR
ESC
UP
DOWN
ENTER


AC/INV
CHG
FAULT
INPUT
PV
14 A
OUTPUT
240 V
SOL_FIRST
CHARGING
SOLAR
ESC
UP
DOWN
ENTER

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Meinolf Klemens

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