

From: Richard Kahn <[REDACTED]>
To: "jeffrey E." <jeevacation@gmail.com>
Subject: Prosolar update
Date: Tue, 04 Sep 2018 16:48:16 +0000

Richard Kahn
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Begin forwarded message:

From: Dan Prosolar <[REDACTED]>
Subject: Re: Friday June 29th
Date: September 4, 2018 at 12:11:51 PM EDT
To: [REDACTED] <[REDACTED]>
Cc: Marcelo <[REDACTED]>, "[REDACTED]" <[REDACTED]>, Brian Walden <[REDACTED]>, Brad Spernak <[REDACTED]>, "[REDACTED]" <[REDACTED]>

good morning all! hope everyone had a great weekend.. minus GSJ with no power.

i feel very good about my visit today. i was receiving error codes pertaining to an OVER-VOLTAGE situation. this is great news considering we have been fighting the opposite problem since the hurricanes. i have had the system set to perform at the absolute peak voltage it can to avoid loosing power. this maximum voltage setting teeters the system on the edge of its capabilities. as we see now it has obtained and exceeded its voltage setting limits on the sunny islands. there is no damage done, only the inconvenience of it shutting down to protect itself. Today i throttled back the target voltage by 1v. this should prevent more shutdowns due to over voltage. i think we have got this system dialed in.

All the best, Dan Chrisman

On Mon, Sep 3, 2018 at 6:57 PM, [REDACTED] <[REDACTED]> wrote:

Good Evening

The solar system is down on GSJ
No power Sunny islands
Sunny boys seem to be in alarm
Cluster box no power
Please advise as to Dans schedule
Regards Brice

Sent from my iPhone

On Jul 11, 2018, at 2:10 PM, Marcelo <[REDACTED]> wrote:

Good Afternoon Richard,

Please see the below email containing Dan's summary of what actions he performed on his last visit to GSJ.

Regards,

Marcelo Perez

Project Manager

941.275.5186

<401A334B1BB040D0BBA29AA3089AB844[431569].jpg>

[REDACTED]

From: [Dan Prosolar](#)
Sent: Wednesday, July 11, 2018 1:10 PM
To: [Marcelo](#)
Subject: Re: FW: Friday June 29th

Good afternoon all, sorry for the delay my email had an issue and became unlinked so I wasn't receiving these until now. Regarding GSJ here is what's been achieved.

-all Aquion battery modules are wired to bypass the corroded, water damaged circuit boards that could interfere with charging profiles.

-sunny islands (6) were downgraded to firmware version 6.0.02. This was done to allow a broader, linear charge profile to be set

-charging parameters are now based on voltage set points rather than state of charge calculations done internally with different references.

-max charge voltage has been set to 58.5V and the batteries will not stop charging until a voltage 1.5V over the set limit is achieved for 15 seconds. This gives them the ability to surpass the previous charge voltage of 56.7V

- the main issue that caused so much down time before was as follows. A target charge voltage that matched the Aquion batteries was not possible with the previous profile. Complicated on that was faulty Aquion circuit boards preventing the batteries from properly charging to a suitable voltage. Aquion, as we know, is no more, so it's impossible to obtain replacement parts. Aquion's bms never met the advertised performance and created more issues than we could have imagined. In short, the changes I made allowed for a higher, more suitable battery voltage to be achieved and prevents the premature shut down we saw before.

Again, sorry for the delay, hope all is well

Thanks

Dan Chrisman

Senior Technical Specialist

Prosolar LLC



From: [Richard Kahn](#)
Sent: Wednesday, July 11, 2018 10:30 AM
To: [Brian Prosolar](#)
Cc: [Brad Spernak](#); [michael glidden](#); [REDACTED]; [REDACTED]
Subject: Re: Friday June 29th

can we do thursday morning or anytime friday

when can expect Dan's summary?

please advise

thank you

Richard Kahn
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On Jul 10, 2018, at 2:18 PM, Brian Prosolar <[REDACTED]> wrote:

Afternoon Richard,

Brad is traveling to San Francisco for a conference and I'm boarding a plane to STX. I've asked Dan to write a synopsis of his efforts and we have been monitoring for proper function. I'll relay this tomorrow once he's finished.

We're still evaluating but all is functioning as intended for the moment. Additional monitoring and confirmation are needed since the weather over the last week has been extremely cloudy.

Would it be possible to have our call on Thurs. afternoon at 3 EST?

Regards,

Brian Walden
ProSolar America, llc

Director of Operations

c. [REDACTED]

On Jul 10, 2018, at 1:50 PM, Richard Kahn <[REDACTED]> wrote:

i have not yet heard back from anyone on a time to speak

please advise

thank you

Richard Kahn
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On Jul 9, 2018, at 5:36 PM, Richard Kahn <[REDACTED]> wrote:

can we please arrange a call for tomorrow to review current status of GSJ solar

thank you

Richard Kahn
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On Jun 29, 2018, at 1:36 PM, Brian Prosolar <[REDACTED]> wrote:

Afternoon Rich,

I believe the normal boat arrival time is 8 or 8:30 a.m. in Redhook.

Dan will be there.

Regards,

Brian Walden
ProSolar America, llc

Director of Operations

c. [REDACTED]

On Jun 29, 2018, at 1:20 PM, Richard Kahn <[REDACTED]> wrote:

please confirm what time you will be arriving at GSJ on Monday

thank you

Richard Kahn
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On Jun 28, 2018, at 1:42 PM, Brian Prosolar <[REDACTED]> wrote:

Afternoon Richard,

We're still trying to have a final discussion with Stefan as well as track down multiple 128MB or smaller SD cards to reboot the Sunnyboy inverters. We're moving as quickly as we can in order to execute the conversion plan but it looks like we have to push to Monday. Dan has shown Michael how to get the system back up and operating in the event of it dropping offline and that is working for the interim.

Regards,

Brian Walden
c [REDACTED]

On Jun 28, 2018, at 11:08 AM, Richard Kahn <[REDACTED]> wrote:

please confirm that you will be at GSJ tomorrow to work on the Solar

thank you

Richard Kahn
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On Jun 25, 2018, at 7:27 PM, Brian Prosolar <[REDACTED]> wrote:

I want to ensure we have the PCB bypass discussion with the engineers prior to the visit and will try to expedite.

Brian Walden
EE/RE Consultant
c. [REDACTED]

On Jun 25, 2018, at 5:05 PM, Richard Kahn <[REDACTED]> wrote:

we are without any solar currently
can you please try to have dan come sooner
thank you

Richard Kahn
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On Jun 25, 2018, at 4:31 PM, Brian Prosolar <[REDACTED]> wrote:

Afternoon Richard,

I have Dan on the schedule to head to GSJ on Friday.

Regards,

Brian Walden

ProSolar America, Llc

Dir. of Operations

c. [REDACTED]

On Jun 25, 2018, at 3:30 PM, Richard Kahn <[REDACTED]> wrote:

can you please advise when your men can come in and fix our solar system
thank you

Richard Kahn
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tel [REDACTED]
fax [REDACTED]
cell [REDACTED]

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Prosolar Systems

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Florida: 850-222-3554

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