

To Apollo Solar, Inc. by Email on December 7, 2011

John et al,

Last Friday I travelled out to [my customer's] island property to review his plans for expansion and the potential impact on the power system. What I found was a full construction crew running table saw, compressor, chop saw, sawzall, drills, etc off of the power system. When asked, they reported they had been working for several weeks. "How often does the generator come on?" I asked. "Never!" was the reply. Thought you'd like to know.

I watched in the power shed as a compressor load started up. The master inverter ramped up to about 1000w then the slave kicked in and the total load ran up to around 3000w, evenly split between the two. Battery voltage sagged about 0.1v. [The T80] Regulator ramped up charge current (had been in float). When compressor cycle ended, slave inverter went back to sleep as master carried 500w load, regulator dialed back charge current as battery voltage recovered back to float setting in less time than the compressor cycle. As I told my guys, I have never seen a power system run as smoothly and as elegantly as that one -- no hiccups, no voltage sag, no momentary error lights, no 'what's that?', just very very smooth very controlled performance. Very nice! You can see the Sanyo array on the house roof, the dc run is down through a fused combiner and disconnect and underground out to the power shed, the ac run is back to the main load center on the second floor of the house.

Thank you very much for nice equipment.



The 2 TSW4048s, T80HV, Gateway & Modem

The crew running their power tools from TSWs

John, I am totally serious, your equipment outperforms anything I've seen over the past 20 years, and that covers Trace, Xantrex, Outback, Exeltech, Statpower, and probably a bunch more that I've forgotten about. I would love to get a chance to stack about 8 of them, just to see how they handle that. Do you have any feedback from larger installs?

Best regards,
Bill

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