

# Technical Assistance Request

Looking for someone with experience in Power Line Communication (PLC). A discussion with that person would inform us of typical strategies between two “boxes”. E.g. request for data transmission, commands, encryption, etc. Smart meters and microinverters use PLC, thus someone in that industry may be able to advise.

Some microinverters communicate via wireless. It would be good to get some insight into people who have reverse-engineered wireless communications. Smart outlets, home power monitoring and control often use this.

Also, could use introduction to companies already doing home power monitoring (Sense, Emporia, Eyedro, Effergy, etc.) to talk to them about usurping the role of the microinverter monitor, presently under the sole domain of the microinverter supplier.

Also looking for introduction to companies operating in the cloud server space related to home and solar energy monitoring. E.g. Solarman, Shine Monitor, etc.

Insights into who stands to benefit from reducing the microinverters to commodities by making their reporting and command interface open to all parties. This is in an effort to partner with such companies.

Speak with parties who wish to promote actions that make solar installs robust for service over the decades. This is done with after-market microinverters and microinverter monitors that are universal. For example, special wiring places make electronic equipment interchangeable with other equipment by making connectors that adapt between product.