SAM 2018 PV Multiple MPPT Webinar Question and Answer Transcript

Do we need to use sam too?

The version being demonstrated is on the open source repository, release branch: www.github.com/nrel/sam, it will be available for download as an official release at hte end of the month.

Why financial model?

SAM is a techno-economnic model, so you can use it to make production estimate using a performance model, and to do cost and financial calculations using a financial model.

SAM does consider peacks sun hours?

SAM uses hourly or subhourly solar resource data rather than peak sun hours as input.

Will there be a SAM version for Ubuntu?

We offer a Linux version of SAM that will run on Ubuntu.

Why do we MPP? Is MPP the optimal point for the operation?

Yes that is correct, it is the point of operation where the module produces the maximum power.

what are features of MPPT over other kinds of inverters technologies ?

You can find information about different types of inverters online. For example: https://www.solarpowerworldonline.com/2016/05/different-types-solar-inverters/

What is the performance will be when we increase the number of inverters?

When you increase the number of inverters, the output of the system will not increase unless you also increase the number of modules.