

50 MW Plant build up

A utility-scale solar PV plant is made up of several components including a mounting system/trackers, solar modules, inverters, transformers, substation, plant controlling system and a power grid.

A 50 MW plant

Is representative of an average solar project, which typically contains around 160,000 solar modules that transform energy from the sun into electricity. The modules can be connected to a system of about 800 trackers, which are programmed to follow the sun for maximum energy capture. About 20 inverters convert the variable direct current (DC) output to alternating current (AC) to be fed into the power grid.

The components of a utility-scale solar PV system is shown below.

Scada



Plant Control Room



Plant Controlling

