

Future Modules

Solar roof-vent here

West PV Sub-Array: Ten BP SX31175N modules, rated 175 Watts each; and one BP 4180T, rated 180 Watts (with room for 3 more); wired directly to micro-inverters for 1,930 Watts total

Inverters: Twenty-six Enphase M190 micro-inverters, one for each PV module, mounted on PV racking structure under modules; each individually syncs with utility-grid power and provides up to 190 Watts at 240VAC

Solar Metering: Enphase Envoy senses individual inverter performance over AC power wires and transmits data to Enphase Enlighten Web-based monitoring

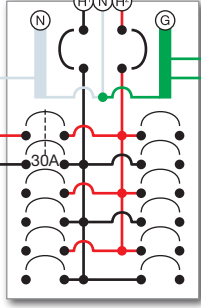
Rooftop Junction Boxes: Two, convert microinverter cables to home run wires

East PV Sub-Array: Fifteen BP SX31175N modules; rated 175 Watts each, wired directly to microinverters for 2,625 Watts total

Utility KWH Meter: Bi-directional, independently measures grid energy in and solar energy out

Solar AC Disconnect: Two, 2-pole 15A breakers; a 15A single-pole breaker supplies power to Enphase Envoy meter

To Utility Grid: 120/240 VAC



AC Service Entrance: To 120/240 VAC loads; PV input through 30A 2-pole breaker

Ground Rod

Ground Rod