

READ THIS FIRST

INSTALLATION BEST PRACTICES

Envoy (EMU)

Plug the Envoy (EMU) power cord directly into a wall-socket. Do not use a surge protector or UPS backup battery.

Place the Envoy as close as possible to the Service-Panel (load center).

Register your Envoy at the beginning of the job.

Power-up the Envoy, connect its Ethernet cable to a broadband router, and then call Enphase Customer-Support at (877) 797-4743 or visit <https://enlighten.enphaseenergy.com/register> and register the Envoy by its serial number. An always on internet connection is preferred.

Enphase Micro-inverters

Verify AC voltage.

With an AC voltmeter measure the voltage at the circuit breaker that the micro-inverter branch circuit will be connecting to. The voltages must be within the limits shown.

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240 Volt AC Split Phase

L1 to L2

211 to 264 Vac

L1 or L2 to neutral

106 to 132 Vac

208 Volt AC 3 Phase

L1 to L2 to L3

183 to 229 Vac

L1, L2, L3 to neutral

106 to 132 Vac


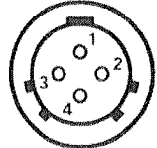
Orient the first micro-inverter in each branch with its MALE connector facing the junction-box. The junction-box AC Interconnect Cable has a female connector.

Observe the branch limits.

The micro-inverter nameplate label shows the maximum number of micro-inverters per branch circuit.

AC Interconnect Cable color code

All AC Interconnect Cables have 4 conductors and should be wired as shown:

240 VOLT AC SPLIT PHASE WIRING BLACK - L1 RED - L2 ORANGE-UNUSED BLUE- NEUTRAL	208 VOLT AC THREE PHASE WIRING BLACK - L1 RED - L2 ORANGE-L3 BLUE- NEUTRAL			PIN 1 - BLACK PIN 2 - BLUE PIN 3 - RED PIN 4 - ORANGE
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Use the endcaps.

Install the branch endcap at the end of each micro-inverter branch circuit to protect against moisture and contaminants.

Install grounding conductor per NEC requirements.

Install a continuous grounding conductor connecting all micro-inverters to the grounding electrode.

Site

Get your install maps to Enphase quickly.

Peel off the serial-number sticker from each micro-inverter, place on the install map to reflect the actual array, scan the map into an electronic file-format (e.g. Adobe PDF) and email to support@enphaseenergy.com.

To download the most recent copies of Enphase user manuals and other documentation, visit:

<http://www.enphaseenergy.com/gettingstarted>