

Case No. 17-0739-EL-REN
Fessler-Ed-KY-PV-7.695kW Residence
Staff Interrogatories – Initial Set

- 1) In response to G2, the application indicates that the “ ... reading will be recorded by the system owner_profile ...”. Please explain what is meant by “system owner_profile”? If it is an automated system, please confirm that it too satisfies the utility-grade metering requirement.

The reading will be recording by the system owner, Ed Fessler.

- 2) In Section N, the application indicates that the facility’s output will be measured by an Enphase system. Provide documentation to demonstrate that this system satisfies the utility-grade meter definition (i.e., Envoy-S Metered or Envoy-S Standard).

The system will be measured by an Envoy-S integrated meter, which satisfies the ANSI requirement. Please see the attached data sheet for more information.

Enphase Envoy-S Series

The **Enphase Envoy-S™** communications gateway delivers solar production and energy consumption data to Enphase Enlighten™ monitoring and analysis software for comprehensive, remote maintenance and management of the Enphase Microinverter System.

With revenue grade production metering and consumption monitoring options, Envoy-S is the platform for total energy management and integrates with the Enphase AC Battery™.



Smart

- Enables web-based monitoring and control
- Bidirectional communications for remote upgrades

Simple

- Easy system configuration using Enphase Installer Toolkit™ mobile app
- Flexible networking with Wi-Fi, Ethernet, or cellular

Reliable

- Designed for installation indoors or outdoors
- Five-year warranty



LISTED

To learn more about Enphase offerings, visit enphase.com

Enphase Envoy-S

MODEL NUMBERS

Enphase Envoy-S Standard™ ENV-S-AB-120-A	Enphase Envoy-S communications gateway with basic PV production monitoring (+/- 5%).
---	--

Enphase Envoy-S Metered™ ENV-S-AM1-120	Enphase Envoy-S communications gateway with integrated revenue grade PV production metering (ANSI C12.20 +/- 0.5%) and optional consumption monitoring (+/- 2.5%).
---	--

ACCESORIES (Order Separately)

Enphase Mobile Connect™ CELLMODEM-01	Plug and play industrial grade cellular modem with five-year data plan for systems up to 60 microinverters. (Available in the US, Canada, Mexico, Puerto Rico, and the US Virgin Islands, where there is adequate cellular service in the installation area.)
---	---

Consumption Monitoring CT CT-200-SPLIT	For use with ENV-S-AM1-120, split-core current transformers enable whole home consumption metering (+/- 2.5%).
---	--

POWER REQUIREMENTS

Cord connected	120 VAC, 60 Hz (ENV-S-AB-120-A) Max 15 A overcurrent protection required
----------------	---

Hardwired	120 VAC, 60 Hz (ENV-S-AB-120-A) 120/240 VAC split-phase (ENV-S-AM1-120) Max 15 A overcurrent protection required
-----------	--

CAPACITY

Number of microinverters polled	Up to 600
---------------------------------	-----------

MECHANICAL DATA

Dimensions (WxHxD)	21.3 x 12.6 x 4.5 cm (8.4" x 5" x 1.8")
--------------------	---

Weight	17.6 oz (498 g)
--------	-----------------

Ambient temperature range	-40° to 65° C (-40° to 149° F) -40° to 46° C (-40° to 115° F) if installed in an enclosure
---------------------------	---

Environmental rating	IP30. For installation indoors or in an NRTL-certified, NEMA type 3R enclosure.
----------------------	---

Altitude	To 2000 meters (6,560 feet)
----------	-----------------------------

INTERNET CONNECTION OPTIONS

Integrated Wi-Fi	802.11b/g/n
------------------	-------------

Ethernet	802.3, Cat5E (or Cat 6) UTP Ethernet cable (not included)
----------	---

Mobile	Optional, CELLMODEM-01 (not included)
--------	---------------------------------------

COMPLIANCE

Compliance	UL 916 CAN/CSA C22.2 No. 61010-1 47 CFR, Part 15, Class B, ICES 003 IEC/EN 61010-1:2010, EN50065-1, EN61000-4-5, EN61000-6-1, EN61000-6-2 Metering: ANSI C12.20 accuracy class 0.5 (ENV-S-AM1-120)
------------	---

To learn more about Enphase offerings, visit enphase.com

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

4/25/2017 4:07:37 PM

in

Case No(s). 17-0739-EL-REN

Summary: Reply reply to staff inquiries electronically filed by Mr. Avery Sellers on behalf of Ed Fessler