

kV2c Equipped with Cellnet's UtiliNet® AMI

GE Energy's kV2c with integrated Cellnet UtiliNet® endpoint combines the accuracy and robustness of our electronic polyphase meter with the power and flexibility of Cellnet's UtiliNet two-way network. This combined solution brings significant value to the marketplace:

- **The UtiliNet endpoint is available as a kV2c factory integrated module.** The endpoint and antenna are fully contained under the meter's cover. The antenna requires no external connections. This solution (meter and endpoint) is powered by the kV2c power supply.
- **Flexibility.** Because of the direct register-read technology, this solution is designed to support the functionality of the basic kV2c meter, plus additional softswitches that provide more advanced functionality such as TOU, power quality data, etc.
- **Versatility.** This solution can be used in voltage transformer (VT) applications. Also, with the UtiliNet endpoint installed, the kV2c meter still has additional I/O capability.

Cellnet's UtiliNet endpoint provides internal AMR capability to GE's kV2c polyphase commercial and industrial meter. The module is an option board that occupies the modem card slot within the meter. The kV2c equipped with the UtiliNet endpoint is a direct register-read solution which allows the utility to access the full feature set of the kV2c meter. Information such as consumption, power quality, diagnostic, and interval data, as well as any additional data contained in the meter's ANSI® C12.19 tables is accessible through UtiliNet. The endpoint reads this data, can perform demand resets, and analyzes status data. The data returned through the network has the full resolution and the accuracy provided by the meter. Using the flexibility of the meter's ANSI C12.19 tables, the endpoint can also reconfigure the tables for changes in rates. Calendar information can be

downloaded from the meter to the endpoint and implemented immediately. Using UtiliNet, no field visits are required; rate changes and calendar updates can be done through the network.

About the kV2c Meter

GE's kV2c meter moves beyond revenue metering to real-time instrumentation, true power quality monitoring and real cost of service measurements. It provides you with:

- Revenue accuracy (with DC detection capability)
- Installation verification and tamper detection tools
- Coincident demand measures
- Power quality monitoring and analysis
- 20 channel recording
- Totalization options (with four external inputs)
- Four-quadrant industrial or substation measures
- Per-phase AC instrumentation (amps, volts, and frequency)

Whether you're metering the simplest energy rate or collecting critical quality of service and load analysis information (on a polyphase or a single phase circuit), there is a kV2c meter configuration to meet your needs.



About Cellnet's UtiliNet Endpoint

- Diagnostics and event notification –the endpoint reads and returns the contents of the meter’s status registers with every data packet returned through UtiliNet. The UtiliNet Solutions Center receives and translates the status register and reports any changes in status to the user. In this way, the utility is quickly informed of any event at the meter, including tampering.
- The endpoint adds the ability to autonomously send meter data to the UtiliNet Solutions Center as well as full support of on-request readings of any data enabled in the meter.
- Robust outage and restoration messaging features are supported by the endpoint, allowing the calculation or validation of the utility’s power reliability calculations. Data can be delivered monthly or as low as every fifteen minutes.
- Demand is reset according to a preset schedule, or remotely via the UtiliNet Solutions Center.
- Using the UtiliNet Solutions Center, the utility user can communicate with the meter and retrieve data for immediate viewing. This feature is useful for customer service representatives as well as utility technicians.
- Remote UtiliNet firmware update capability – firmware download to the endpoint is fully supported without requiring the removal of the existing meter or a field visit by utility personnel.

kV2c with UtiliNet Available Forms

All available meter forms are autoranging (120 V - 480 VAC)

Forms	Class
1S	100, 200
2S	200, 320
3S	20
4S	20
9S	20
12S	200, 320
16S	200, 320
36S	20
45S	20

Note: Please consult the GE factory for applicable catalog numbers.



To learn more about this offering, contact your GE Energy sales representative or visit www.ge-energy.com/airquality

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