

PACIFIC GAS AND ELECTRIC COMPANY
SmartMeter™ CPUC Staff Inquiry
Data Response

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| PG&E Data Request No.: | DRA_003 | | |
| PG&E File Name: | SM CSI_DR_DRA_003-Q23 | | |
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| PG&E Witness: | N/A | Requester: | Tom Roberts |

QUESTION 23

Describe what distinguishes the following meters from each other: 4s, 3s, 2k, KV2c and Class 320 2S?

ANSWER 23

This question encompasses three meter concepts: model, type, and meter class.

Meter Model: The term “kV2c” refers to a particular meter model. PG&E uses three meter models:

- kV2c by GE;
- I-210+ by GE; and
- Focus by L&G.

The kV2c is available in both single-phase and polyphase configurations. The I-210 and Focus are single-phase meters.

Meter Type: The S and K designation in 4s, 3s, 2k, and 2s refer to the meter type. An “S” type meter plugs into a socket. Most meters used by PG&E are S type. A “K” type meter bolts onto a buss bar. The K type can support more current flow than an S type.

Meter Class: The meter class refers to the full load current rating of the meter. Typical S type meters come in various class ratings. The most common rating is 200 amps, which is used at most homes. The Class 320 meters are used for 320 amp maximum locations, while the Class 400 meters are used for 400 amp locations.

The meter type and class are matched to the service requirements of the customer and the wiring of the customer to PG&E transformers. Old homes with only 120 volt circuits are “2 wire” services. Modern homes that support both 120 volt and 240 volt circuits are “3 wire.” Commercial customers that have three-phase loads can be supported with either 3 wire or 4 wire service depending on the service entrance wiring. A “Network” meter refers to a less frequently used transformer wiring configuration common in multi-dwelling units in older cities. Meters such as the Class 20 that are used with current or voltage transformers are referred to as “Transformer rated” meters.

The following table shows the meters used by PG&E.

| Type | Voltage Elements | Current Elements | Application |
|-------------|-------------------------|-------------------------|--|
| 1S | 1 | 1 | Self Contained, 2 wire |
| 2S | 1 | 2 | Self Contained, 3 Wire (200 and 320 amp) |
| 2K | 1 | 2 | Self Contained, 3 Wire (400 amp) |
| 3S | 1 | 1 | Transformer Rated, 2 Wire |
| 4S | 1 | 2 | Transformer Rated, 3 Wire |
| 5S | 2 | 2 | Transformer Rated, 2 phase 3 or 4 Wire, 3 phase 3 Wire |
| 9S | 3 | 3 | Transformer Rated, 3 phase, 4 Wire |
| 12S | 2 | 2 | Self Contained, 3 Wire-Network |
| 16S | 3 | 3 | Self Contained, 4 Wire |