

Sigen Power Sensor

- WiFi halow remote communication functionality (with Sigen Sensor Sub1G Kit)
- Efficient and stable data transmission up to 200m (with Sigen Sensor Sub1G Kit)
- 1% high-accuracy power detection for precise control
- LCD real-time info display, easy to operate and check
- Integrate smoothly with Sigenenergy devices, no need for setup
- Top class 100 A direct connection in power sensor with built-in CT
- 100 ms data refresh rate, instantaneous data feed

Sigen Sensor Sub1G Kit



Sigen Power Sensor



Sigen Power Sensor

| Sigen Sensor ¹ | SP-DH | SP-CT120-DH | TP-DH | TP-CT120-DH | Units |
|------------------------------|--------------------------------------|---------------|----------------|----------------|-------|
| Power Supply | | | | | |
| Grid connection type | 1P2W | | 3P3W/3P4W | | |
| AC input voltage range | 176 ~ 276 | | 173 ~ 480 | | Vac |
| Nominal AC frequency | | | 50 / 60 | | Hz |
| Max. operating current | 100 | - | 100 | - | A |
| Measurement Accuracy | | | | | |
| Voltage accuracy | | | 0.5% | | |
| Current accuracy | | | 0.5% | | |
| Power accuracy | | | 1% | | |
| Frequency accuracy | | | 0.2% | | |
| Communication | | | | | |
| Interface | | | RS485 | | |
| Baud rate | | | 9600 | | bps |
| Protocol | | | Modbus RTU | | |
| General Data | | | | | |
| Dimensions (W / H / D) | 36 / 100 / 63 | 18 / 118 / 64 | 72 / 100 / 66 | 72 / 94.5 / 65 | mm |
| Weight | 0.20 | 0.07 | 0.32 | 0.20 | kg |
| Storage temperature range | | | -40 ~ 70 | | °C |
| Operating temperature range | | | -25 ~ 60 | | °C |
| Relative humidity range | | | 0% ~ 90% | | |
| Ingress protection rating | | | IP20 | | |
| Installation method | | | DIN Rail 35 mm | | |
| CT Accessory | | | | | |
| Number of CT | - | 1 | - | 3 | pcs |
| Cable length of CT | - | 1 | - | 1 | m |
| Inner diameter of CT | - | 16 | - | 16 | mm |
| Weight of CT | - | 0.09 | - | 0.09 | kg |
| Max. operating current of CT | - | 120 | - | 120 | A |
| Standard Compliance | | | | | |
| Standard | EN 61010-1:2010, EN 61010-2-030:2010 | | | | |

| | Sigen Sensor SubIG Kit | Units |
|---|--------------------------------------|-------|
| Working mode | AP(master device), STA(slave device) | |
| Communication method | RS485 / wireless communication | |
| Protocol | IEEE 802.11ah | |
| Operating voltage | 85 ~ 277 | Vac |
| Power consumption | 2 | W |
| Operating temperature range | -25 ~ 55 | °C |
| Dimensions (W / H / D) | 18 / 118 / 66 | mm |
| Wireless frequency | 868 | MHz |
| Wireless transmission distance ² | ≤ 200 | m |
| Installation method | DIN Rail 35 mm | |

1. For more models refer to the Sigenenergy website.

2. Lab tests have shown a maximum horizontal range of up to 200 metres in open spaces, with shorter communication distances when walls are in the way.

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