



# Sigen Power Sensor

- 1% high-accuracy power detection for precise control
- LCD real-time info display, easy to operate and check
- Integrates smoothly with Sigenenergy devices, no need for setup
- Top class 100 A direct connection in Power Sensor with built-in CT
- Support export/import limitations and ready for AI evolving
- 100 ms data refresh rate, instantaneous data feed

# Sigen Power Sensor

| Sigen Sensor <sup>1</sup>    | SP-DH                                | SP-CT120-DH   | TP-DH         | TP-CT120-DH    | Units |
|------------------------------|--------------------------------------|---------------|---------------|----------------|-------|
| <b>Power Supply</b>          |                                      |               |               |                |       |
| Grid connection type         | 1P2W                                 |               | 3P3W/3P4W     |                |       |
| AC input voltage range       | 176 ~ 276                            |               | 173 ~ 480     |                |       |
| Nominal AC frequency         | 50 / 60                              |               |               |                | Hz    |
| Max. operating current       | 100                                  | -             | 100           | -              | A     |
| <b>Measurement Accuracy</b>  |                                      |               |               |                |       |
| Voltage accuracy             | 0.5%                                 |               |               |                |       |
| Current accuracy             | 0.5%                                 |               |               |                |       |
| Power accuracy               | 1%                                   |               |               |                |       |
| Frequency accuracy           | 0.2%                                 |               |               |                |       |
| <b>Communication</b>         |                                      |               |               |                |       |
| Interface                    | RS485                                |               |               |                |       |
| Baud rate                    | 9600                                 |               |               |                | bps   |
| Protocol                     | Modbus RTU                           |               |               |                |       |
| <b>General Data</b>          |                                      |               |               |                |       |
| 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 ~ 85                             |               |               |                | °C    |
| Operating temperature range  | -30 ~ 60                             |               |               |                | °C    |
| Relative humidity range      | 0% ~ 90%                             |               |               |                |       |
| Ingress protection rating    | IP51                                 |               |               |                |       |
| Installation method          | DIN Rail 35 mm                       |               |               |                |       |
| <b>CT Accessory</b>          |                                      |               |               |                |       |
| 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     |
| <b>Standard Compliance</b>   |                                      |               |               |                |       |
| Standard                     | EN 61010-1:2010, EN 61010-2-030:2010 |               |               |                |       |

1. For more models refer to the Sigenergy website.