

# Sigen Power Sensor

| Sigen Sensor <sup>1</sup>   | SP-DH                              | TP-DH         | Units |
|-----------------------------|------------------------------------|---------------|-------|
| Power Supply                |                                    |               |       |
| Grid connection type        | 1P2W                               | 3P3W/3P4W     |       |
| AC input voltage range      | 100 ~ 277                          | 100 ~ 480     | Vac   |
| Nominal AC frequency        | 50 / 60                            |               | Hz    |
| Max. operating current      | 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                      | 72 / 100 / 66 | mm    |
| Weight                      | 0.20                               | 0.32          | 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                     |               |       |
| Standard Compliance         |                                    |               |       |
| Standard                    | IEC 62052-11:2020, EN 50470-3:2022 |               |       |

1. For more models refer to the Sigenenergy website.