



# Sigen Power Sensor

- 1% high-accuracy power detection for precise control
- LCD real-time info display, easy to operate and check
- Integrates smoothly with Sigenergy 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 V <sub>ac</sub>		
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				

<sup>1</sup> For more models refer to the Sigenergy website.