



Sigen Power Sensor

- 1% high-accuracy power detection for precise control
- LCD real-time info display, easy to operate and check
- Integrate 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

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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 ~ 85 °C		
Operating temperature range			-30 ~ 60 °C		
Relative humidity range			0% ~ 90%		
Ingress protection rating			IP51		
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				

¹ For more models refer to the Sigenergy website.