



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

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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.