



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 single phase grid system
- Support export/import limitations and ready for AI evolving
- 100 ms data refresh rate, instantaneous data feed

Sigen Power Sensor

Sigen Sensor	SP-DH	SP-CT-DH	TP-DH	TP-CT-DH	Units
Power Supply					
Grid connection type	1P2W		3P4W		
AC input voltage range	184 ~ 276		320 ~ 480		V
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	18 / 118 / 64	72 / 100 / 66	72 / 94.5 / 65	mm
Weight	0.23	0.10	0.40	0.28	kg
Storage temperature range			-40 ~ 70		°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	
Cable length of CT	-	1	-	1	m
Inner diameter of CT	-	16	-	16	mm
Weight of CT	-	0.11	-	0.11	kg
Max. operating current of CT	-	120	-	120	A
Output current of CT	-	40	-	40	mA