

# Sigen Power Sensor

- WiFi halow remote communication functionality (with Sigen Sensor SubIG Kit)
- Efficient and stable data transmission up to 200m (with Sigen Sensor SubIG Kit)
- 1% high-accuracy power detection for precise control
- LCD real-time info display, easy to operate and check
- Integrate smoothly with Sigenenergy devices, no need for setup
- Top class 100 A direct connection in power sensor with built-in CT
- 100 ms data refresh rate, instantaneous data feed

Sigen Sensor SubIG Kit



Sigen Power Sensor



# 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		Vac
Nominal AC frequency	50 / 60				
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				
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 ~ 70				
Operating temperature range	-25 ~ 60				
Relative humidity range	0% ~ 90%				
Ingress protection rating	IP20				
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				

	Sigen Sensor SubIG Kit	Units
Working mode	AP(master device), STA(slave device)	
Communication method	RS485 / wireless communication	
Network protocol	IEEE 802.11ah	
Operating voltage	85 ~ 277	Vac
Maximum power	2	W
Operating temperature	-25 ~ 55	°C
Dimensions (W/H/D)	18 / 118 / 66	mm
Wireless frequency	915	MHz
Wireless transmission distance <sup>2</sup>	≤ 200	m
Way to install	DIN35mm Rail mounting	

1. For more models refer to the Sigenergy website.

2. Lab tests have shown a maximum horizontal range of up to 200 metres in open spaces, with shorter communication distances when walls are in the way.