

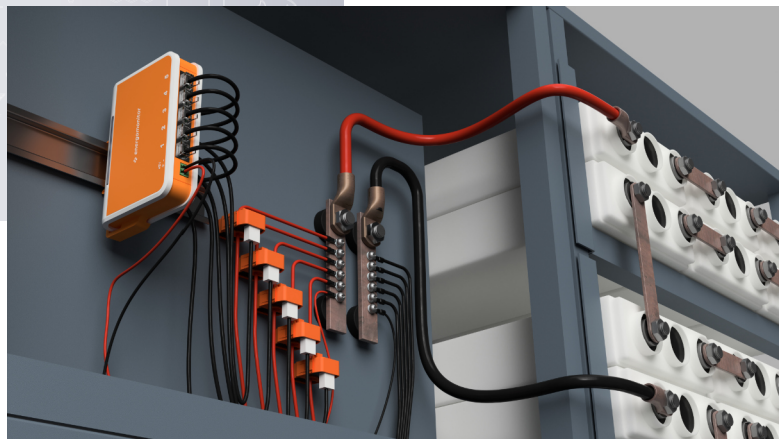
Powersense DC

EHT1

The EHT1 Powersense DC sensor monitors the power consumption of DC-powered devices using up to 5 DC converters. Sensor is powered from monitored DC rail and transmits the measured data wirelessly via the gateway to the cloud.

Use cases

- Photovoltaics - DC output and individual circuit monitoring
- Telecom System power usage monitoring
- Data Centers - UPS system battery health and power monitoring
- Battery installations - charging and discharging monitoring
- Base Transceiver Station (BTS) - radio equipment monitoring



Technical data

Measured data	electric power [W]
Physical dimensions	110 × 80 × 26 mm without antenna
Weight	140 g
Material	ABS plastic
Protection	IP20
Working conditions	from -20 °C to + 60 °C, < 80 % RH (non-condensing)
Interface	5× current transformer DC connector
Required accessories	gateway EWG6, current transformers DC
Optional accessories	external antenna
Power supply	external 24V DC
Connectivity	433MHz Radio (Chirp protocol)
Radio range	< 100 m (depending on the local conditions)
Transmitting power	< 10 mW
Transmission time	< 5 ms
Transmission period	5 s
Resolution of metering	1 W
Accuracy of metering	10 %
Range of metering	5× < 50A / < 100 A / < 400 A