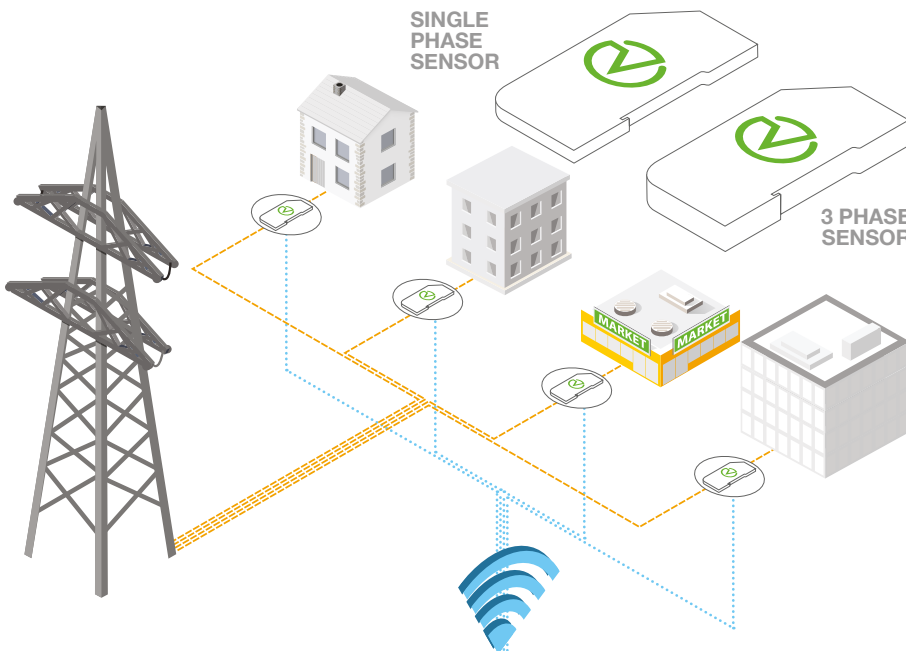


## Energy monitoring

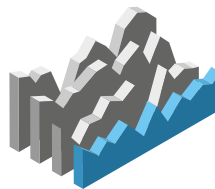
### MONITORING



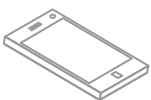
### STORAGE



### ANALYSIS



### MOBILE APP



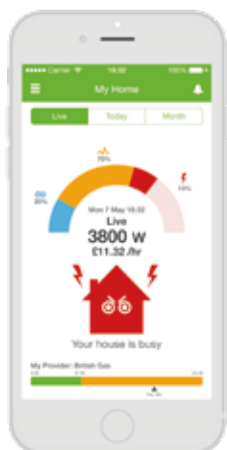
### CUSTOM DASHBOARD



### INTEGRATED API



### MEASUREMENT AND COMMUNICATION OF DATA



### A simple installation

The Voltaware single phase and three phase sensors are quick and easy to install with minimum disruption to your supply. Clamp or clamps are placed around the mains cable and voltage detectors are magnetically located on the appropriate fuses. The transmitter is small enough to fit unobtrusively inside most fuseboxes. The transmitter connects securely your local WiFi network or via GSM and immediately starts sending live data to our servers. You can be connected in 5 minutes.

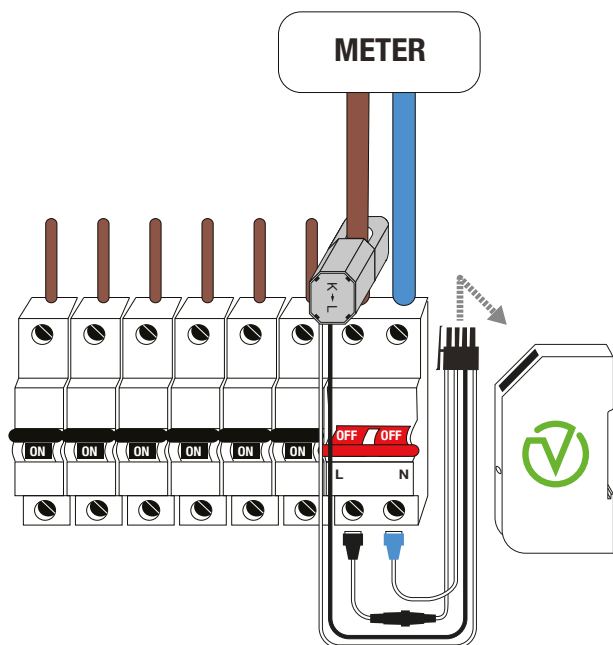
### Data analysis

Total consumption and cost data is available immediately; live, daily, or monthly. Our machine learning algorithm takes about a week before it begins to identify appliances by their electrical signatures. We use artificial intelligence to model consumer behaviour and this allows us to deliver periodic detailed breakdowns of cost and consumption.

### Data where you need it

Voltaware electricity monitoring data is available to you anywhere via our free iOS and Android app available at Google Play and the App Store but for larger installations we can develop custom dashboards. Or you can integrate our data into your own systems using our API.

## Single Phase sensor



### ELECTRICAL CHARACTERISTICS

Operating voltage:	85 - 250 V ac
Operating frequency:	50 - 60 Hz
Power consumption (typical):	1 W
Wireless connectivity:	IEEE 802.11n/g/b 2.4 GHz
Supported current transformers:	30/60/100 A
Maximal power measured:	7.5/15/25 kW

### MEASURED QUANTITIES

Voltage  
Current  
Active Power  
Apparent power  
Current harmonics  
Voltage Harmonics  
Phase  
Energy\*  
Event Based\*\*

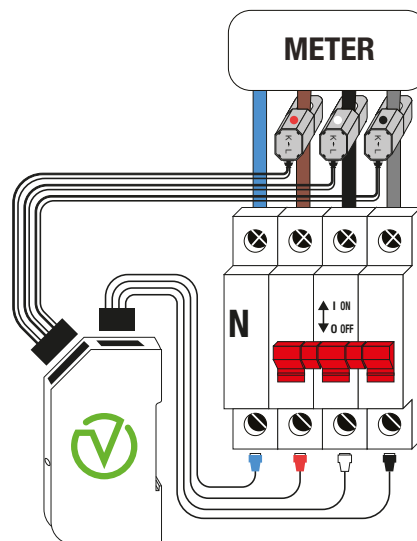
\*Incremental metered value of total consumption in watt-hours and backed up locally in the sensor.

\*\*Sensor transmits a data packet every time there is a step in current (event based) or every 2 min 40 s.

### MECHANICAL CHARACTERISTICS

Case dimensions:	83 × 56 × 7 mm
Mounting:	Top hat rail EN 50022 – 35 × 15

## Three-phase sensor



### ELECTRICAL CHARACTERISTICS

Operating voltage:	85 - 250 V ac / phase (147-433 V ac 3-phase systems with neutral)
Operating frequency:	50 - 60 Hz
Power consumption (typical):	1 W
Wireless connectivity:	IEEE 802.11n/g/b 2.4 GHz
Supported current transformers:	100 A / phase
Maximal power measured:	25 kW / phase

### MEASURED QUANTITIES

Voltage  
Current  
Active Power  
Apparent power  
Reactive power  
Current harmonics  
Voltage Harmonics  
Frequency  
Phase  
Energy\*  
Event Based\*\*

### MECHANICAL CHARACTERISTICS

Case dimensions:	87 × 56 × 16 mm
Mounting:	Top hat rail EN 50022 – 35 × 15