C2i

3-phase power data winging its way wirelessly to the web within 15mins of opening the box.

DATASHEET

EnPower P

Wireless Power Meter

Wireless Metering

The 3G **EnPower** brings 3-phase power data to the cloud for ultimate flexibility at low cost. Monitor power consumption and costly issues such as poor power quality, power factor disparities, voltage irregularities, excess demand and machine inefficiency. See and analyse your data in any software, on any system you choose. Local dashboards are also available on the **EnPower**.

POWER FACTOR

245v
220v
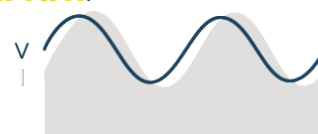
VOLTAGE OPTIMISATION

MAX DEMAND ALARMS

Rapid Deployment

Connect 3-phase power directly or, for quicker and safer deployment, simply use clip-on current transformers and, for voltage, a 3-pin plug via a standard wall-socket. As long as it is on the same distribution supply the **EnPower** automatically calculates and injects the appropriate phase voltage reference vector into the voltage signal. The **EnPower** does not require embedded panel installation or an additional power supply, dramatically reducing the time and cost of deployment, and making it perfect for remote locations.

CURRENT

CLIP-ON CTs

Chiller

HARD-WIRED

VOLTAGE

Production Line

Lighting
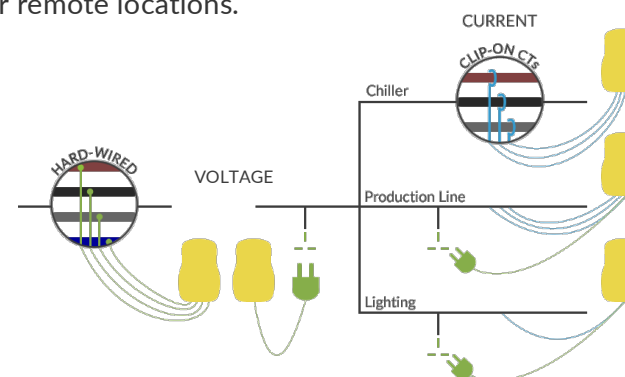
Industrial-Grade

The **EnPower** is waterproof (IP67) and thus ideal for outdoor applications. With its robust ABS case and component potting it is very resistant to physical and chemical damage, and is well suited to harsh environments. Cables are tightly held by cage-clamp terminals.

This document details the **EnPower** Power Meter. A 3G Voltage Logger is also available, different only in that it does not have current inputs.

INPUTS

Voltage Measurement	3x Voltage, 45 – 230 VAC
Neutral	1x Neutral, 45 – 230 VAC
Current Measurement	4x Current *(compatible with any 0.333V CT)*
Sampling Frequency	200Hz

OUTPUTS

Voltage
Current
Real, Reactive and Apparent Power
Real, Reactive and Apparent Power Consumption
Power Factor

POWER

Mains Input Voltage	Voltage 1-3 range 45VAC – 230VAC. 50/60Hz. Isolated from other I/O.
Wiring (Mains)	Cage-Clamp terminals rated at 630V, 12A Suitable for cables 0.14 – 2.5mm^2
Wiring (Other)	Cage Clamp terminals rated at 250V, 2A Suitable for cables 0.5 – 1.5mm^2

CONNECTIVITY

Wireless Connections	GSM/CDMA, GPRS/EDGE *(SIM-card and contract included on request)*
Wired Connections	Ethernet
Access to User Interface	Local via Ethernet port Remote *(with siteCONNECT subscription)*

PHYSICAL

Dimensions (H x W x D)	235.00 x 154.06 x 73.22 mm
Weight	1.1kg
Enclosure Material	Acrylonitrile Butadiene Styrene (ABS)
Enclosure Rating	IP67
Operating Temperature	-20°C to +60°C (-4°F to +140°F)
Thermal Ignition Resistance	HB @ 1.5mm
Approvals	CE

APPLICATIONS

Outdoor Power Monitoring
Power Factor Analysis
Voltage Optimisation Analysis
Demand Response
Energy Monitoring
Commercial Sub-Metering
Industrial Machine/System Monitoring

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