

Beeta™ Power

IoT Device for Smart Metering - Digital Energy




Main features:

- Plug & Play Smart Meter Reader
- AC-DC Power Supply (USB output)
- Simultaneous monitoring of Energy Consumptions and Productions
- 2 LED (Power and Modem)
- APP for initialization and use of the device

Beeta™ Power is the latest generation *plug & play device*, able to read smart meters for electric energy through powerline communication (PLC), both in A band and C band, according to CEN/CLC/ETSI/TR 50572, EN 62056-7-5. In Italy **Beeta™ Power** is the **Beeta™ Box** power supply already **compliant with the 1G and 2G fiscal smart meters** from e-distribuzione, by only inserting the plug into an electric socket.

In case of photovoltaic plant, **Beeta™ Power** simultaneously reads smart meters, both for **consumption** and for energy **production**. It also delivers up to 2,5A @ 5Vdc, while exchanging data (meter readings and settings) with devices-computers via USB. This opens up a new scenario in the energy sector, since it makes users aware of their own consumption and performance, allowing them to obtain savings from 10% up to 30% and to consider the possibility of actively participating in the **energy market**.

General Features	
Input	
Voltage	230 Vac \pm 10%
Frequency	50 Hz
Current	110 mA max @ 265Vac
Power consumption	From 0,6 W in "Stand-by" to 30W when operating on powerline and delivering full load on USB
Output (USB)	
Voltage	5Vdc
Current	2,5 A
	Micro USB connector featuring power supply and USB-UART communication
LEDS	
Cyan	Mains power
Tri-color	2G smart meter operations
Protections	
Overvoltage	5.25V max
Overcurrent	Auto shut-down
Short Circuit	Auto shut-down
Environment	
Operating	Temperature Range -20/70 °C (or 0-50°C if battery operated), RH range 5%-95% non condensing
Storage	Temperature Range -25/85 °C (or 0-55°C if battery operated), RH range 5%-95% non condensing
Safety	
Isolation voltage	3000V
Safety approval	UL
EMI/EMC	Directive 2014/53/EU RED 
RoHS	Directive 2011/65/EU
Case	
Material	Plastic (ABS or optionally other) UL94 V0
Dimensions	max 119.4 x 88.6 x 61mm

MADE IN ITALY



Beeta™Power is totally designed and manufactured in Italy and is compliant with the standards: ISO 9001, ISO 14001, IATF 16949, IPC Membership. Beeta™Power is in compliance with Directive: 2014/53/EU, 2011/65/EU. Two-year warranty for Beeta™Power standard products. Extended warranty on request.

Tera reserves the right to change or modify specifications without prior notice. The latest product specifications can be found by contacting us.

Tera srl: info@terasrl.it - www.terasrl.it