

# PPKW



A modern and efficient power network starts with smart metering, and smart metering is done with the PPKW.

The PPKW (Pay Per Kilowatt) is a breakthrough in electronic power meter for pre-paid and credit operation. The PPKW can be configured for off-line operation or for wireless communication to make real time control under the concept of AMI (Advanced Metering Infrastructure)

The stylish design with a nature touch of the PPKW was awarded with Peoples Choice Award at the NPE2009.

The PPKW is designed and manufactured under the joint venture between EPM and Excelec. EPM is a very large utility company recognized as one of the most efficient in the world. The PPKW has been developed having in one hand the large experience of EPM in pre-payment of electricity and their vision of Smart Grid concept, and in the other hand the experience of more than 25 years of Excelec in the development of products and complete solutions tailored to the customer needs.

STS is now an IEC standard and is the most widely used utility pre-payment standard in the world. Excelec is a member of the STS Association and the PPKW has been certified under the STS standard.

# PPKW-1

# Technical Specifications

<b>VOLTAGE</b>	120V (other voltages on request)
<b>NOMINAL CURRENT</b>	10A
<b>MAXIMUM CURRENT</b>	60A
<b>LINE FREQUENCY</b>	40-70 Hz
<b>PRECISION</b>	Class 1
<b>MODES OF OPERATION</b>	Prepaid o Credit
<b>CONFIGURATION</b>	Single Phase 2 Wires
<b>DISPLAY</b>	LCD with Backlight
<b>KEYPAD</b>	Membrane
<b>COMUNICATION BETWEEN METER AND REMOTE CONTROL</b>	2 wire Current Loop isolated from power line
<b>SENSORS</b>	Tamper detection at the terminal block
<b>ALARM</b>	Buzzer
<b>METER DIMENSIONS</b>	Length: 116 mm Width: 128 mm Height: 55 mm
<b>REMOTE CONTROL DIMENSIONS</b>	Length: 129 mm Width: 81 mm Height: 39 mm

## Standards

<b>PREPAYMENT</b>	STS
<b>OPERATIONAL</b>	IEC-62053-21 and IEC 62052-11

## Options

<b>ANTI-TAMPER PRO</b>	With the Anti-tamper Pro is possible to detect any tampering attempt even with the power down. More tampering sensors are added. Current measurement is added to the Neutral. Real Time Clock added.  Anti-tamper Pro includes a battery (Battery lasts 5 years)
<b>SMART CARD</b>	Contact-less Smart Card
<b>WIRELESS COMMUNICATION</b>	GPRS, WiFi and Zigbee



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