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Featured Applications

- Home Appliances
- Server and PC Power Supplies
- UPS
- Smart Plugs or Power Strip
- Solar Energy Inverter
- Electrical Vehicle Charger
- Home Monitoring, Security and Automation

Design Features

- Spy-bi-wire debugging interface
- 14 pin debugger connector allows direct interface to MSP-FET430UIF without the need of an adaptor
- Built-in switching mode power supply capable of supplied by 85 – 265 VAC (47Hz – 63Hz) or 120 – 380 VDC simplifies evaluation setup
- Built-in RS232 external communication interface for reading measurements and performing calibration
- 7 Built-in LEDs for customer debugging and visual monitoring
- Measurement of root mean square voltage, root mean square current, active power, reactive power, apparent power, power factor, AC frequency
- Readings update every 4 AC cycles or 80ms in case of DC input
- Capable of automatic reporting measurements to UART port on every update at 9600bps
- Capable of AC and DC measurement
- Capable of switching between AC and DC measurement mode automatically
- Capable of doing EMI filter capacitor and wire resistance compensation
- No separate DC calibration required

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Single Phase Energy Measurement Reference Design Guide

A Gutmann



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In a global inundated with screens and the cacophony of fast conversation, the profound energy and emotional resonance of verbal beauty usually diminish in to obscurity, eclipsed by the regular assault of noise and distractions. Yet, located within the lyrical pages of **Single Phase Energy Measurement Reference Design Guide**, a fascinating work of literary brilliance that impulses with natural thoughts, lies an wonderful trip waiting to be embarked upon. Published by way of a virtuoso wordsmith, that enchanting opus courses readers on a psychological odyssey, lightly revealing the latent possible and profound impact stuck within the intricate internet of language. Within the heart-wrenching expanse of this evocative examination, we will embark upon an introspective exploration of the book is key subjects, dissect their charming writing model, and immerse ourselves in the indelible effect it leaves upon the depths of readers souls.

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