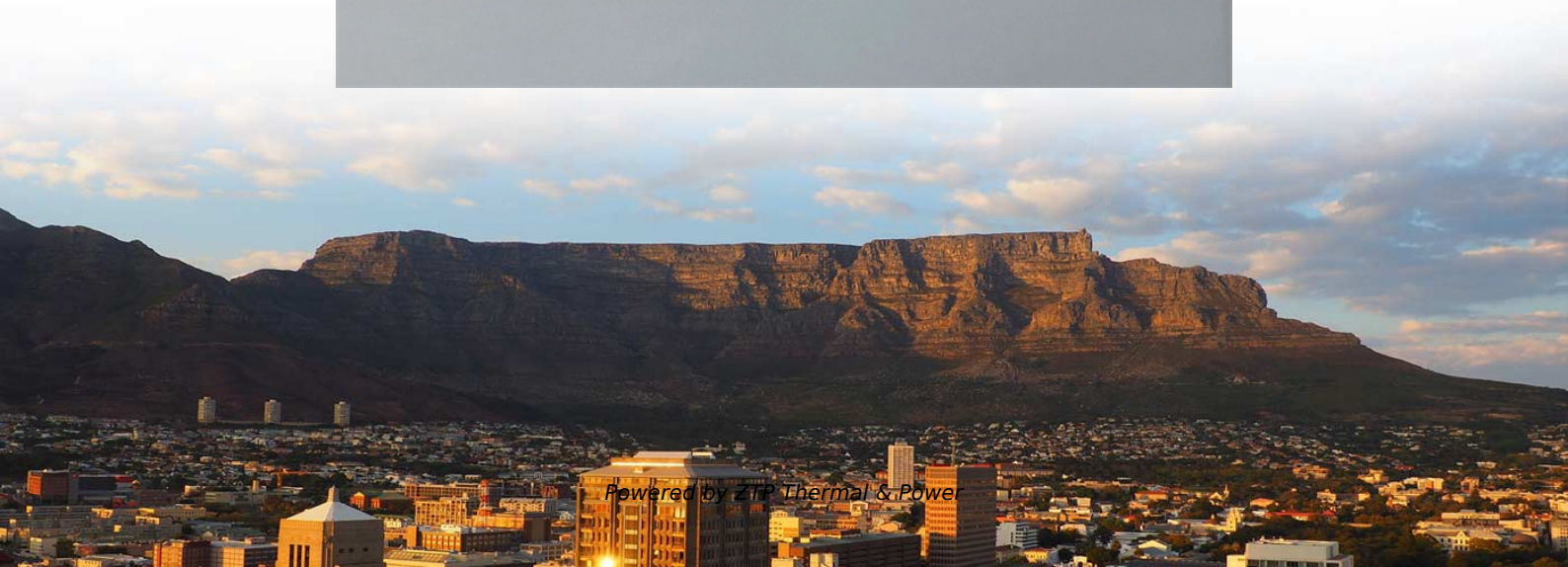


# **Intelligent AC DC Integrated Power Supply Monitoring System**





## Overview

---

The intelligent AC-DC integrated power supply system is a power supply system that integrates AC power supply (AC), DC operating power supply (DC), power-specific uninterruptible power supply (UPS), power-specific inverter power supply (INV), and communication DC conversion power. The DIRIS Digiware system is a hub of technological innovations that has revolutionized the world of power monitoring - bringing a high degree of flexibility to installations and making connection and configuration easier than ever before. The ACS37800 simplifies power monitoring in AC and DC systems, providing accurate measurements of active, reactive, and apparent power, along with RMS voltage, current, and integrated fault protection. Featuring integrated 12-bit analog-to-digital converters (ADCs) and internal accumulators, they support rails up to 100 V and currents up to  $\pm 30$  A, with high dynamic range and  $< \pm 0.1\%$ . Microchip offers a comprehensive set of Intelligent Power Supply solutions enabling you to meet these challenges. The EVM is designed to operate from AC supply or high voltage DC supply by professionals who have received appropriate technical training. Please read the safety related documents that come with the EVM package and user's guide before operating the EVM.



## **Intelligent AC DC Integrated Power Supply Monitoring System**

---

### **Power metering and monitoring system for AC and DC**

Master your electrical installation and transform your performance with the most versatile and intelligent power monitoring system available.

[Read More](#)

### **Intelligent AC/DC Integrated Power Supply System**

Its operating conditions and information data can be displayed and converted into standard model data through an integrated monitoring unit, connected to the local automation system in standard format,

[Read More](#)



## **AC & DC Power Monitoring System for Electrical Installations**

Master your electrical installation and improve your energy performance with the most versatile and intelligent power monitoring system available.

[Read More](#)

## **Single-Phase AC and DC Power Monitor with Wire Resistance and**

This document discuss an application of a single-phase AC and DC power monitor (or server power monitor) using a simple, low-cost Texas Instruments MCU MSP430i2040.

[Read More](#)

## **Intelligent Power Supply Design Solutions Brochure**

Intelligent power supplies can monitor internal temperatures and supply power to cooling fans only when needed. They can also dynamically change the control loop behavior to provide the optimal system

[Read More](#)



## **Power Management , Analog Devices**

With patented power monitoring, precise current limiting, and intelligent PowerPath control, our protection ICs optimize performance, size, and cost while ensuring uninterrupted operation under

[Read More](#)

## **ACS37800 AC/DC Power Monitoring Current Sensor ICs**

The sensing scheme further reduces the size of your PCB and delivers a highly integrated power monitoring IC that eliminates errors caused by stray magnetic fields. Multiple

[Read More](#)



## **Intelligent Monitoring and Control of Power Systems Based on Artificial**

Taking power system monitoring as the background, applying ANN into power system monitoring has significant practical significance for improving the work efficiency of the power

[Read More](#)

## **Isolated, Programmable AC and DC Power Monitoring IC**

The ACS37800 simplifies power monitoring in AC and DC systems, providing accurate measurements of active, reactive, and apparent power, along with RMS

[Read More](#)

## **GQH-T Intelligent AC/DC Integrated Power System**

Monitoring system can effectively realize the monitoring of charging module, communication power module, INV/UPS power supply, AC/DC power distribution, etc., and also can provide dry contact



[Read More](#)

## Contact Us

---

For datasheets, pricing, or custom data center infrastructure solutions, please visit:  
<https://www.zeldaterblanchephotography.co.za>