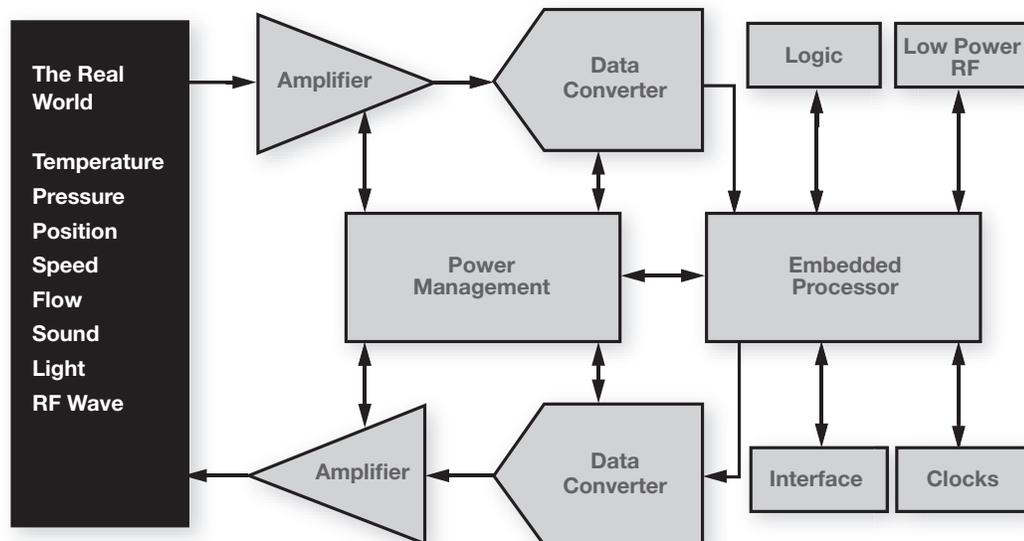


# High-Performance Analog Overview



- Amplifiers and Linear
- Clocks and Timers
- Data Converters
- Interface
- Power Management
- RF/IF & ZigBee® Solutions



At Texas Instruments (TI) we know that we only succeed when we help you succeed. That's why we provide **High-Performance Analog >> Your Way™**.

Now more than ever, TI gives you high-performance analog products, application knowledge and technical support to help you win in the marketplace.



**Advanced products** that meet your design's performance requirements >> From amplifiers and data converters to power management, interface and wireless solutions, TI has the high-performance analog ICs to meet your needs.



**Application knowledge** to make your design process easier >> Because TI develops analog and digital ICs across the board and for a wide range of applications, we have complete systems knowledge and can assist you in the overall design process.



**Local analog technical support** for your design >> TI's worldwide analog support infrastructure includes the most extensive network of analog application engineers, providing support locally where you need it.



## Analog Applications Journal

Make getting technical application information quicker and easier by signing up to receive your quarterly Analog Applications Journal. This online journal is a collection of application articles provided to make your design process easier. Topics include data acquisition, power management, amplifiers, interface and low-power RF.

[www.ti.com/aj](http://www.ti.com/aj)

# High-Performance Analog Connection

Your monthly update of new Analog products from TI



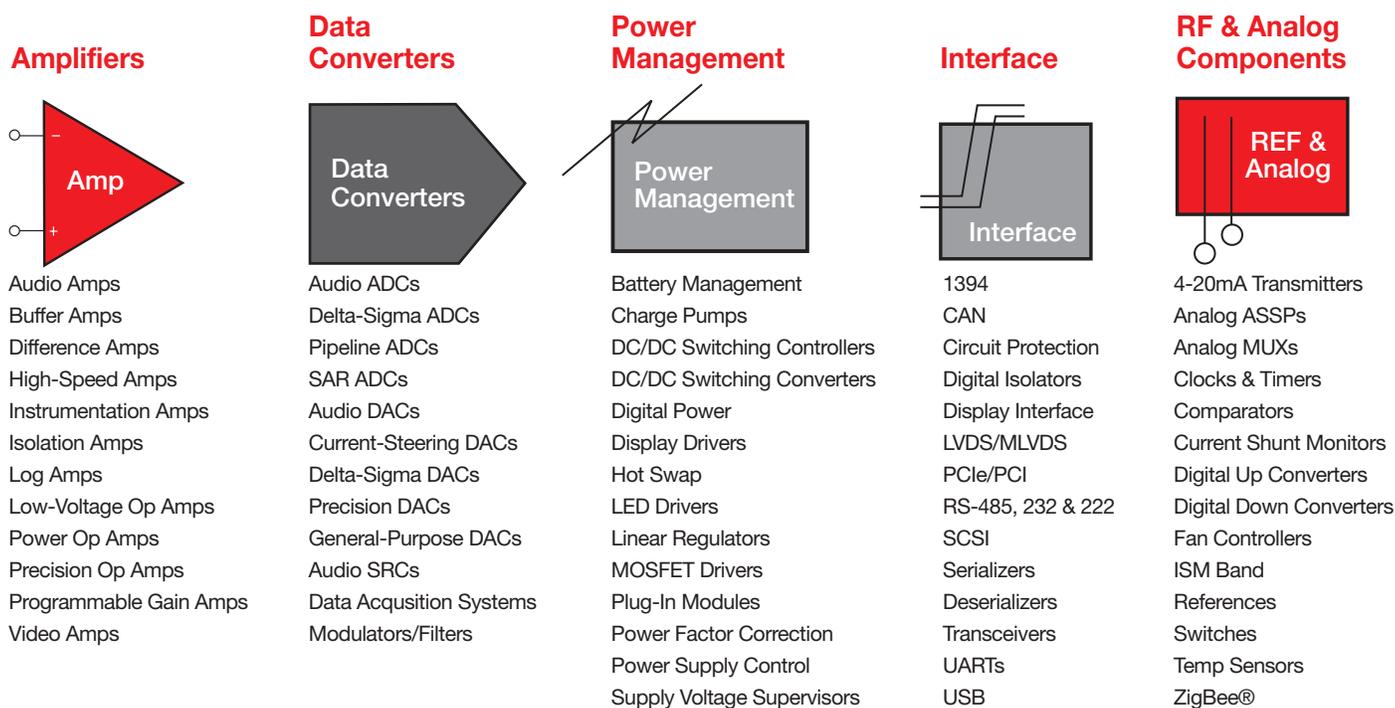
## Analog Connection eNewsletter

Need more information on analog products? Subscribe now to the Analog Connection eNewsletter. Receive up-to-date information on TI's analog products that include amplifiers, power management, data converters,

interface, clocks and low-power RF solutions. This monthly eNewsletter will keep you informed of new product offerings, pricing and links to other areas of TI. Sign up now at:

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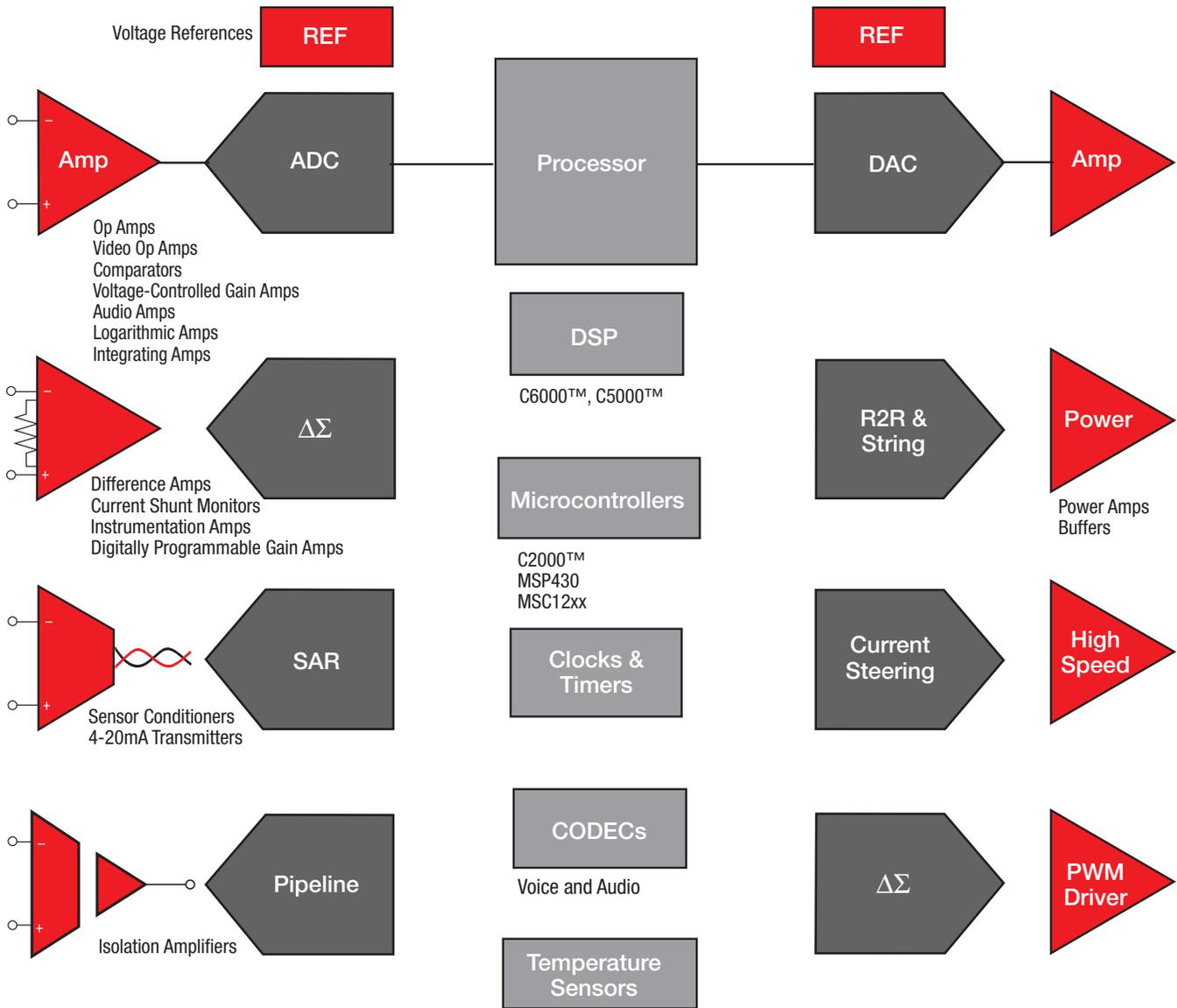
TI offers a comprehensive high-performance analog portfolio from amplifiers and data converters to power management and interface. Whether you need faster speed, higher precision, lower power or smaller size, TI has analog ICs to differentiate your design. That's **High-Performance Analog>>> Your Way™**.



## Featured High-Performance Analog Products from TI

- ADS5281:** Low-Power, 8-Channel, 12-Bit, 50-MSPS ADC with Serialized LVDS Interface
- TAS5706:** 20-W Stereo Digital Audio Power Amplifier with EQ and DRC
- AFE5805:** Fully-Integrated, 8-Ch Analog Front-End for Ultrasound,  $0.85\text{nV}/\sqrt{\text{Hz}}$ , 12-Bit, 122 mW
- CC2480:** Z-Accel™ 2.4-GHz ZigBee® Processor
- TPS2358:** Dual-Slot, ATCA AdvancedMC™ Controller
- HVS882:** 8-Channel, Wide 10 to 34-V Digital-Input Serializer for Industrial Digital Inputs
- INA333:** MicroPower (50µA), Zero-Drift, Rail-to-Rail Out Instrumentation Amplifier
- TPS62601:** 6-MHz, 500-mA Buck DC/DC Converter with <math>13\text{mm}^2</math> Total Solution Size
- DAC9881:** Highest Accuracy DAC, 18-Bit Monotonic Performance

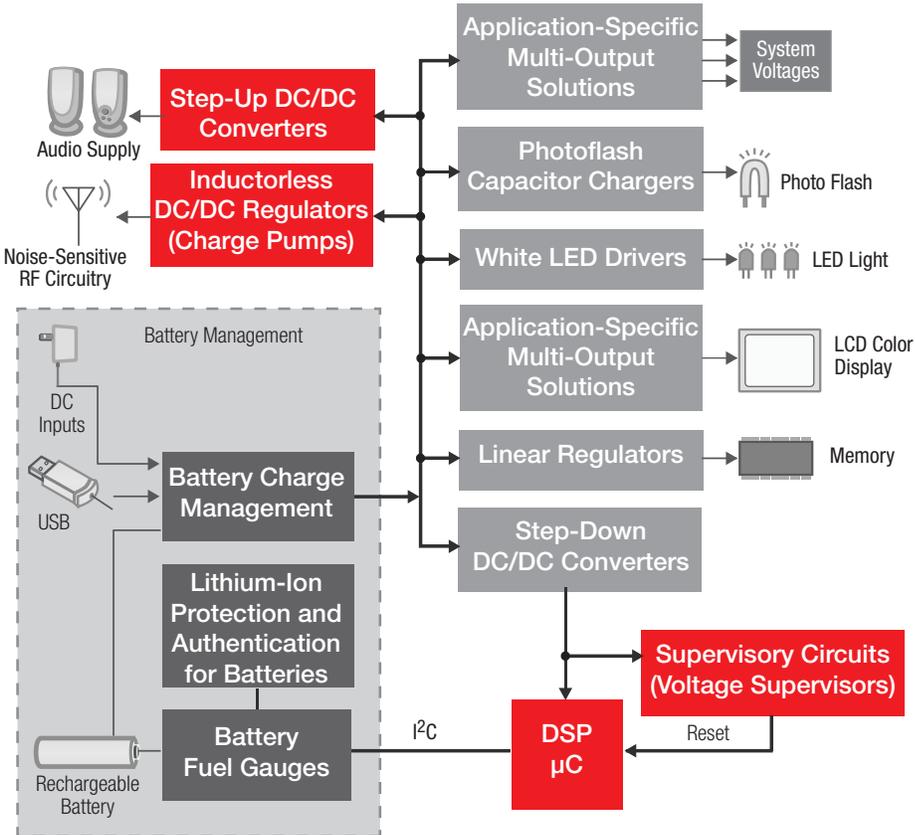
## Power Management



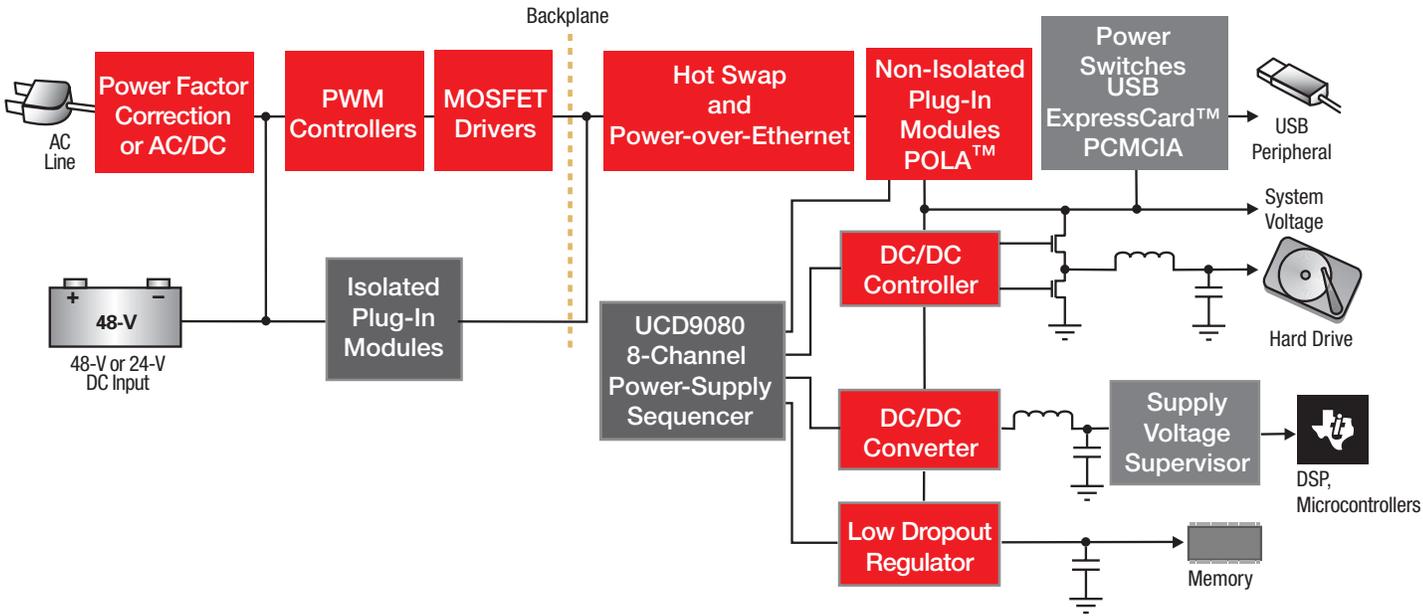
## Interface

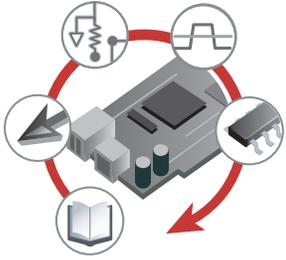


Portable Power Solutions



Line Power Solutions





Texas Instruments

# Analog eLAB™

## Design Center

**Need Help?**

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Analog Knowledgebase (FAQs)  
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Sales Representatives  
eLab Design Center Demo

[www.ti.com/analogelab](http://www.ti.com/analogelab)

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<b>Learn</b>	<b>Select</b>	<b>Design</b>	<b>Simulate</b>	<b>Sample</b>

Online training, Analog eLab webcasts, seminars, conferences and work-shops where TI experts help you to solve real-world analog problems.

Sophisticated search tools provide guided approaches for product selection with digital parametric searches to narrow results.

Reference designs, calculation utilities, and power design tools, including TI Pro Series web-based software tools.

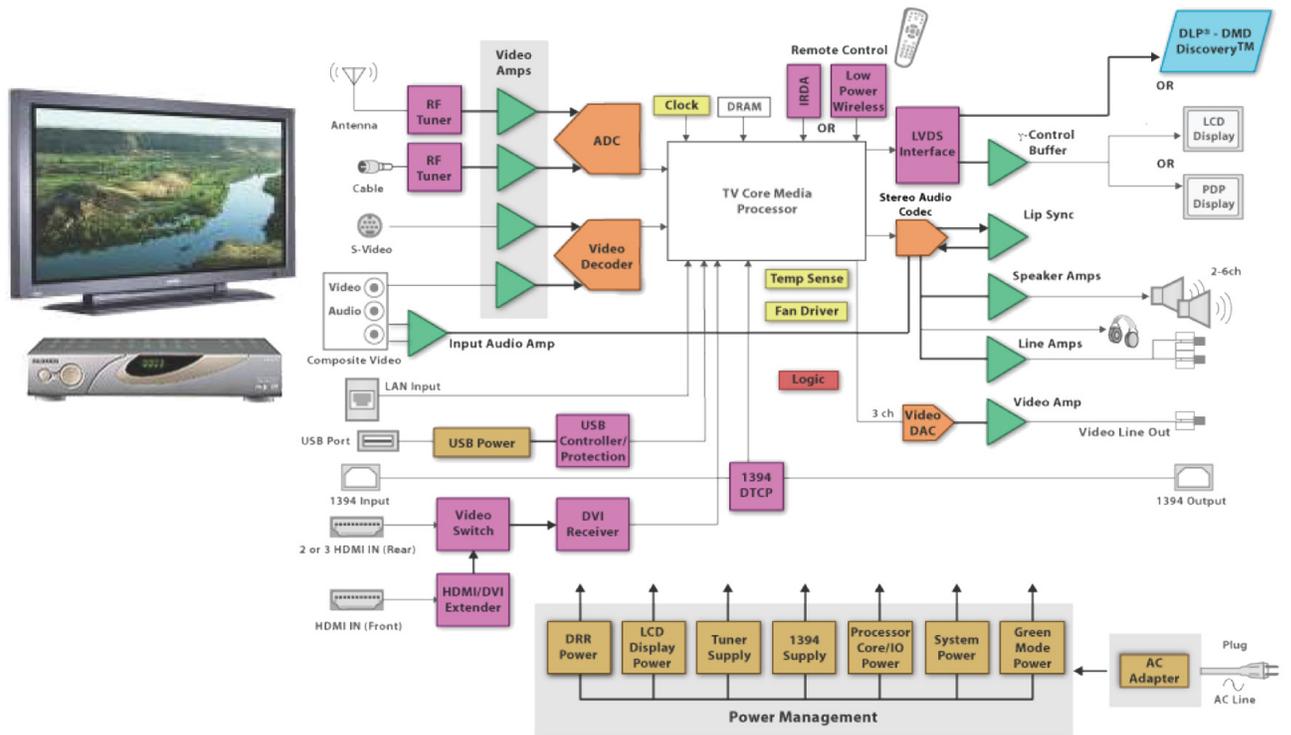
Fast, web-based power simulations, with a large selection of empirically validated TI models, via the powerful, user-friendly TINA-TI schematic editor and SPICE simulator for mixed-signal-circuit analysis (DC, AC, noise, transient and Fourier).

Order samples and evaluation modules.

## TI makes your design easier with:

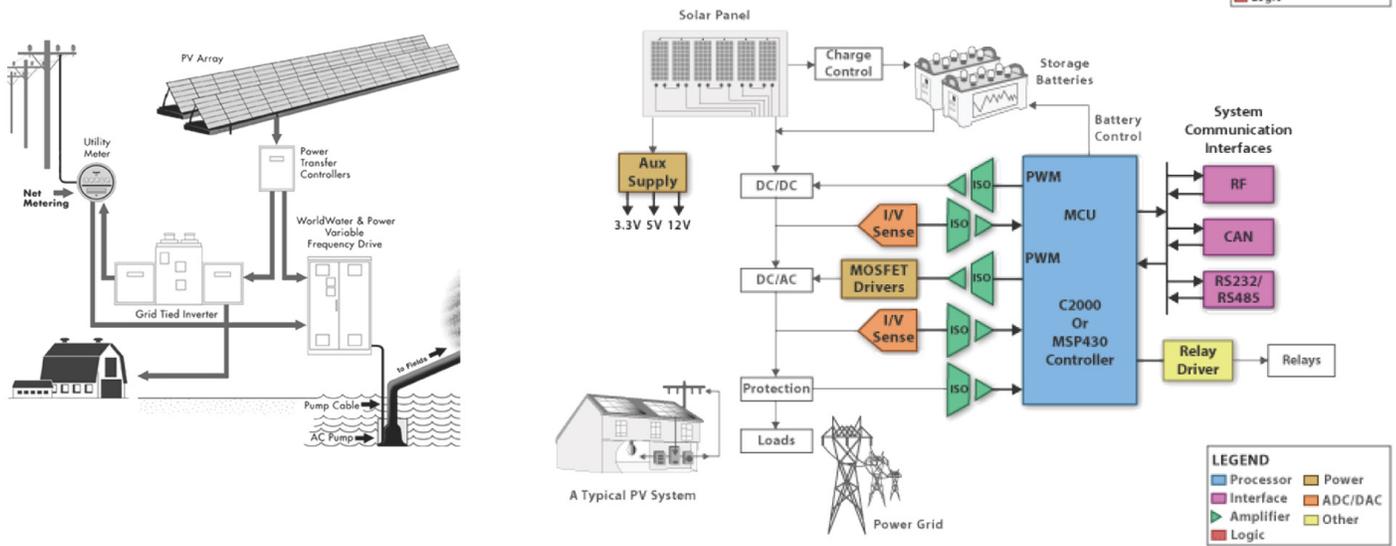
- End-equipment solution guides, system block diagrams, application notes, design software, simulation tools and evaluation modules
- Application engineering support
- Analog, embedded processing and logic ICs for your design needs throughout the signal chain

For system block diagrams, application notes and more recommended products, go to [www.ti.com/analog](http://www.ti.com/analog) and select your application area of interest.



**LEGEND**

Processor	Power
Interface	ADC/DAC
Amplifier	Other
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**LEGEND**

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## Frequently asked questions

- **How can I get updates from TI?**

The monthly Analog Connection newsletter keeps you up to date on new analog products from TI. Register for the e-newsletter and read previous issues at:

[www.ti.com/analognewsletter](http://www.ti.com/analognewsletter)

Additionally, register for a my.TI account to receive updates on new products and training opportunities that are relevant to your product and application areas.

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- **See the Product Information Center contact information below:**

Product Information Center Contact information. Also, go to [www.ti.com/analog](http://www.ti.com/analog) for a list of TI and distributor sales offices.

- **How can I order free samples?**

Samples are available via the product folders on [www.ti.com](http://www.ti.com). Just click on the "order free samples" link, and follow the instructions.

- **Where can I find a current listing of TI literature?**

A complete listing of TI product selection guides, end-equipment solution guides and other literature is available at:

[www.ti.com/analogliterature](http://www.ti.com/analogliterature)

- **What are some of the design tools available to help me with my design?**

TI has a variety of selection, design and simulation software, along with application notes, reference designs and other tools to help ease your design process and speed your time to market. Just visit our Analog eLab™ Design Center at:

[www.ti.com/analogelab](http://www.ti.com/analogelab)

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