

Utility
Grid
Power



100-265VAC

Automatic Backup Charging
& Low Voltage Disconnect

48V Battery

48VDC

DIGITAL SERIES
DC POWER SUPPLY



48VDC

ISOLATED
DC CONVERTER



+24VDC

DISTRIBUTION SERIES 3
DUAL BUS LOAD PANEL



+24VDC

48VDC

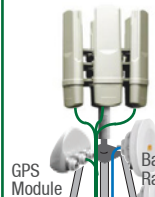
Each DC output can be
power-cycled remotely
over Ethernet to reboot
individual DC loads.



I.P. Camera

+24V PoE

Access Point
Cluster



48V PoE
(+ or -)



GPS
Module

Backhaul
Radios

IP Data

INTELLIGENT POWER

48VDC

Ethernet
Switch



120VAC

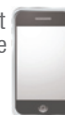


Router/
Firewall

Each AC outlet can be
power-cycled remotely
over Ethernet to reboot
connected AC devices.

WWW

Smart
Phone



Remote
Clients



The Power of Reliability

Affordable, Managed DC Power for Wireless Broadband Networks

- ▶ High Efficiency 1RU Power Supplies With Battery Backup & LVD For Reliable Quality Of Service
- ▶ Support for Dual Voltages In A Single Space-Saving 1RU Load Distribution Panel
- ▶ DC to AC Inverters With Remote Output Control Over Ethernet & High Efficiency Conversion To Minimize Power Loss
- ▶ Remote Power Control of Individual AC & DC Loads Over Ethernet
- ▶ DC to DC Isolated Converters in a range of sizes for small to large sites

www.ict-power.com



ICT built-in user interface allows remote monitoring and power control of ICT power supplies, load distribution panels, and inverters, providing the capability to power cycle locked up devices, load shed non-critical loads to conserve battery life, and disconnect individual loads remotely over Ethernet. Supports standard web browsers and SNMP.

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Reduce Unnecessary Site Visits and Increase Quality of Service To Your Customers



One of the key advantages of wireless broadband – providing high-bandwidth internet access to remote customers – can also present challenges, especially when a remote site experiences a technical issue. This often necessitates a visit to the site by a technician to troubleshoot the problem. In some instances the issue can be resolved simply by power cycling power to a troublesome device.

What if you could do this without physically visiting the site? What if you could do this from the comfort of your office, from your laptop, from your smartphone? ICT products offer this flexibility.

ICT products include DC power supplies, DC distribution panels, DC-AC inverters, low-voltage disconnects, and DC-DC converters. Many of our products feature Ethernet communication options, which allow users to remotely monitor DC power conditions at a site, and if needed, remotely power cycle the connected devices. ICT products also allow you to disconnect non-critical devices in order to preserve battery life in the event of an AC mains failure. All this can be done manually via a desktop PC, laptop or smartphone, or can be preconfigured to occur automatically based on parameters you set. No additional software is required, just a standard web browser. And should any alarm condition occur at your site, such as a low battery voltage, for example, ICT products can notify you by sending a text message or email to you directly.

Minimize your downtime, reduce costly site visits, and have peace of mind in knowing what DC power conditions exist at your site. With surprisingly affordable prices, ICT products provide tremendous features to benefit you, your business, and most importantly, your customers.

CHALLENGE

I wish I could avoid having to travel to a site just to power-cycle a radio or router.

More and more I am seeing 24 and 48 volts being needed at the same time. How can I get full manageability for dual voltages?

If my router locks up, I lose communications to the site and I have no choice but to travel to the site to reboot it.

It would be beneficial to receive email alarms and alerts to warn of low battery voltage, load current changes, or troubles with any of my connected loads at the site.

Uninterruptible power supplies (UPS) typically have short battery life which may not leave me enough time to get to the site with a generator or extra battery when the AC power goes out.

I would like to have site monitoring that emails me if a door, smoke, or water alarm gets tripped, but solutions can be quite expensive.

I would like to have a system that would automatically load shed non-critical loads if AC power goes out, in order to prolong the backup battery life.

Modified sine wave inverters can have noisy outputs, sometimes causing interference with radio systems.

SOLUTION

ICT Distribution Series load panels allow you to turn each of the 12 outputs on and off remotely over Ethernet using the built-in web browser. ICT Ethernet-equipped power supplies and inverters can also be monitored and the outputs power cycled remotely. If your site has an Ethernet link, then virtually any device or load can be managed remotely using ICT power products, often saving unnecessary trips to the site.

ICT Distribution Series 3 is a dual bus load panel that will support multiple voltages and polarities at the same time, such as -48 volts and +24 volts DC. Intelligent models allow each of the 12 outputs to be turned on and off remotely over Ethernet.

ICT Distribution Series 2 and Series 3 load panels have a network watchdog feature that routinely pings the router's I.P. address. If the router stops answering, the ICT panel will perform an automatic power cycle on that device, often saving an unnecessary trip to the site.

ICT intelligent load distribution panels allow you to set parameters for each of the 12 outputs, and will send you an alarm email if the threshold is reached.

The use of a DC power supply with integrated battery charging will keep the backup battery charged when AC is present, automatically switch the load to battery when AC goes out, and protect the battery with an automatic low voltage disconnect (LVD). The advantage to this approach is it allows you to design a battery backup system that will provide you with the number of hours or days of backup power you need for your sites.

ICT Distribution Series 2 and Series 3 load panels provide five digital inputs that allow for sensors to be connected to it, allowing remote monitoring and email alerts to be sent. You can even assign unique names to each of the alarm inputs.

ICT Distribution Series 2 and Series 3 load panels allow you to set any output to automatically shut down at pre-determined voltage levels. You can leave your most critical loads powered on after non-essential loads have turned off.

All ICT inverters feature a pure sine wave output, which means the power is as good or even better than what you get from the grid. The ICT Sine Wave Series also offers Ethernet connectivity, allowing you to monitor battery voltage and turn off the outputs remotely to power cycle any connected AC loads such as switches or routers.

DC Power Solutions for Low Power Sites

DC power supplies with backup battery charging from 100 to 400 watts.



Charger Series



Chassis Mount Series

Managed and unmanaged 1RU power distribution panels.



Distribution Series 2

300 watt DC-AC sine wave inverters. Shelf or 1RU rack mountable.



Site Inverter 300

DC-DC power converters from 50 to 400 watts. Shelf or rack mountable.



Isolated Series 2

DC Power Solutions for Medium and High Power Sites

500 to 7200 watt scalable DC power supplies with optional battery charging, low voltage disconnects, and remote manageability over Ethernet.



Digital Series



Pro Series

Managed, unmanaged and dual bus/dual voltage 1RU power distribution panels. Fuse or breaker options.



Distribution Series 3

1500 watt DC-AC sine wave inverters. Shelf or rack mountable. Optional Ethernet for remote monitoring and power cycling of connected AC loads.



Sine Wave Series 1500

DC-DC isolated site power converters from 800 to 1200 watts.



Site Converter