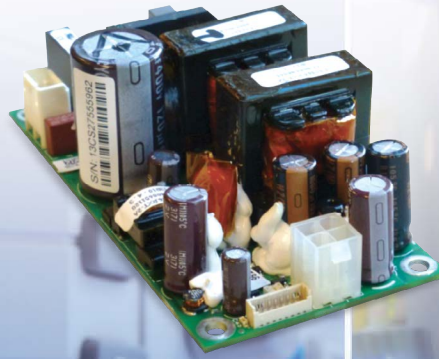


GE
Critical Power

12 Reasons to and Use the CLP Family



Big Power, Small Footprint

We've Never Packed So Much Power
Into Such a Compact Design



1

Size Matters

Breakthrough Compact Design

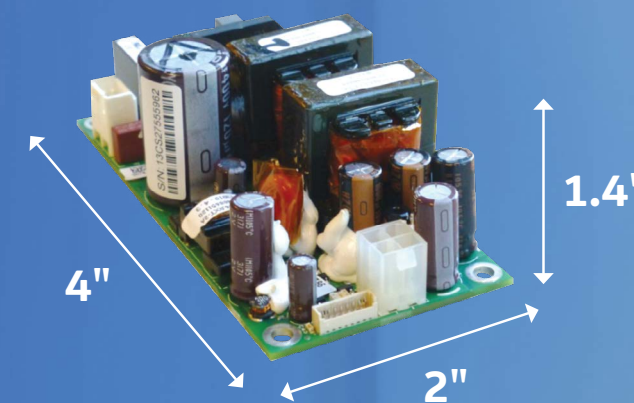
- Until recently, 3x5 has been the widely used form factor
- GE's Breakthrough Design Is 2x4
- First of its kind innovation

Simple but powerful
design architecture



Careful choice of
components, placement &
routing techniques

=
**LESS SPACE BUT MORE
POWER**



With its 2 x 4 x 1.4-inch footprint and 80Plus Gold energy efficiency, this universal AC input to 12V DC single-output power supply is very compact and powerful. That means it's able to meet the challenges created by limited room and low airflow.



No One Else Has The
Ability To Cool Like We Do.

GE Engineering breakthrough design...
high heat generating components
placed at the bottom for better cooling.

Keep Cool & Carry On

Reliable Fanless Cooling Feature

2



+

Conduction Cooling

Convection Cooling

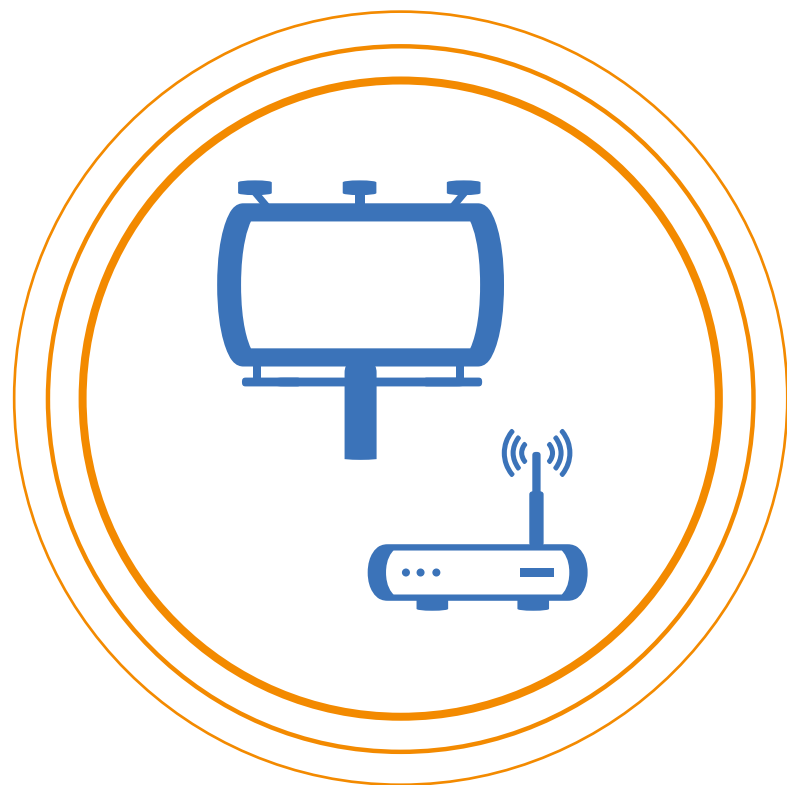
=

**HIGHER
RELIABILITY**
(NO MOVING FAN PARTS TO FAIL)

3

You've Got The Power

Versatile High Power Density Solution



It Can Power A Small Router Or A Large Outdoor Billboard

CLP0212 is a high power density solution (18W/in³) in the 200W open frame solution space. When several CLP0212 are used in parallel, a large outdoor billboard can be powered.

**VERSATILITY AND
DIVERSITY OF POSSIBLE USES**

Hot or Cold

Wide Operating Temperature Range
For Outdoor & Hostile Conditions



**EXTENDED OPERATING
TEMP RANGE OF -40C TO 70C**



It delivers power efficiency in extreme temperature and weather conditions. It will work just as well on the ice caps of Antarctica as it will in the Sahara Desert or even in a sealed enclosure.

4

5

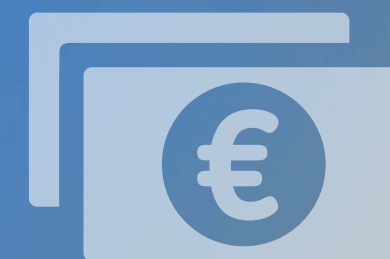
More Bang For Your Buck

80 PLUS® Gold Efficiency Means
Lower Operating Expenses



Not all systems operate at full load at all times, therefore efficiency at low load is important. Enter the 80 PLUS® Certification Program for classifying power supply efficiency. CLP0212 is rated for 80 PLUS® Gold (90% or higher efficiency at 50% load).

**HIGHER EFFICIENCY
LEADS TO LOWER
OPERATING EXPENSES**



The innovative design uses zero voltage switching techniques in tandem with quasi-resonant power factor correction – or PFC – circuits. It also has overcurrent, overvoltage and over-temperature protection features. And, the power supply can be placed in parallel with up to four different power supplies to furnish larger load currents than a single power supply can deliver.

If The Shoe Fits

Integrates Easily Into Your Product Design

6

The CLP0212 Fits Into Your System Design On Many Levels:

Compatible

Universal AC Input voltage
(90V to 264V)

Compact

2x4 form factor leaves more
space for system components

Flexible

Options with or without standby
voltage, remote ON/OFF

Safe

Fully safety certified
(UL, TUV, CE)

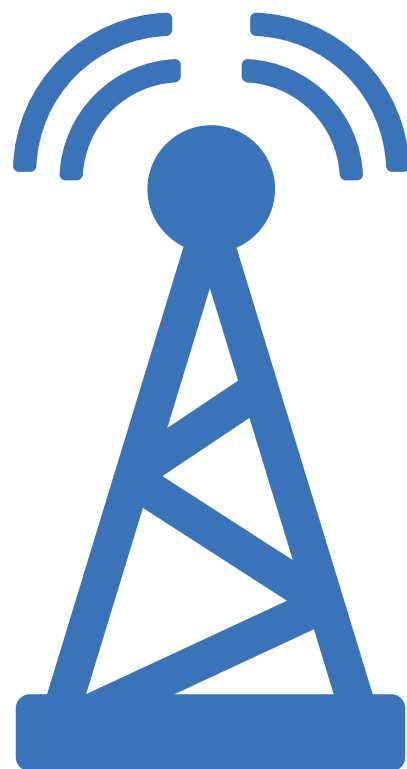
EASILY MOUNTED IN SYSTEM CHASSIS

7

Small Cell/ Wireless

Remote Radio Head (RRH) houses the power amp for the RF antenna and is an important component of small cell architecture.

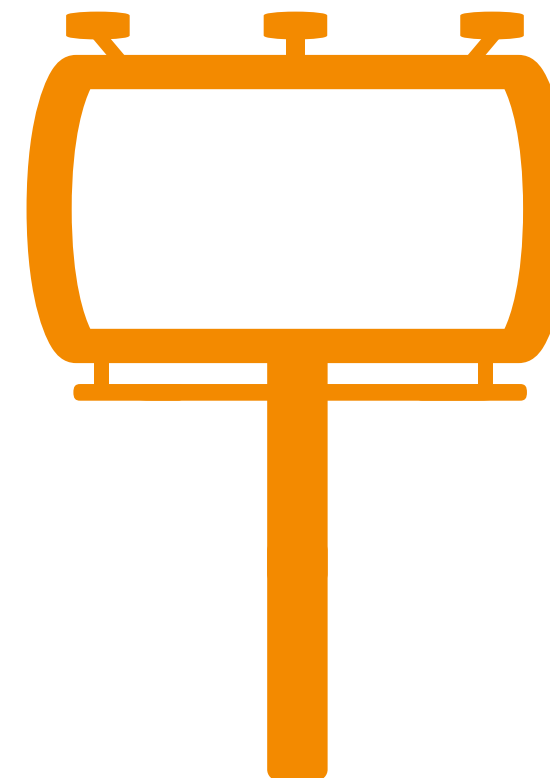
CLP is an excellent choice for this application due to its **COMPACT SIZE AND HIGH ENDURANCE TO HIGH TEMPERATURE** operation in an enclosed box.



Outdoor Signage

Outdoor Advertising/LED Displays

8



CLP's compact size and its ability to work in a sealed enclosure with no air flow inside, makes it an optimum choice for outdoor advertising, signage and LED displays.

The fanless design of the CLP helps to **INCREASE SYSTEM RELIABILITY** and does not require fan replacement.

9

Vending & ATM Machines

Vending and ATM machines require a 24V power supply to operate its motor.

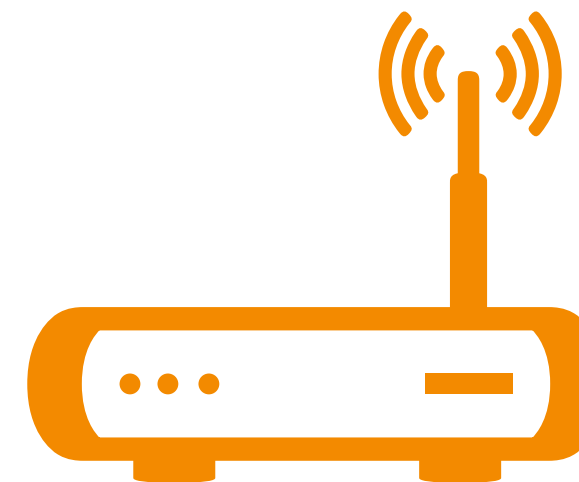
CLP'S RUGGED AND FANLESS DESIGN & ITS 24V/12V OUTPUT MAKES IT SUITABLE TO POWER UP VENDING MACHINES.



Routers & Switches

Data & Telecom Servers/
Rack Mount Environments

10



"Pizza Box" routers and switches are the bread and butter of data center and telecom connectivity.

CLP's maximum height of 1.4" is ideally suited for typical 1U (1.62") tall pizza box routers and switches.

1.4" IS IDEAL

1U

Test & Measurement

Oscilloscopes, Signal Generator,
Spectrum Analyzer

11

Fanless operation of CLP family devices offer dual advantages of **NO NOISE** and high reliability.

Both of these features make CLP an excellent choice for test and measurement equipment.



12

Audio & Video Broadcasting

TV Broadcast Equipment, Portable Audio Speakers, Stage Lighting



Audio and video broadcasting requires a reliable power supply without any interruption.

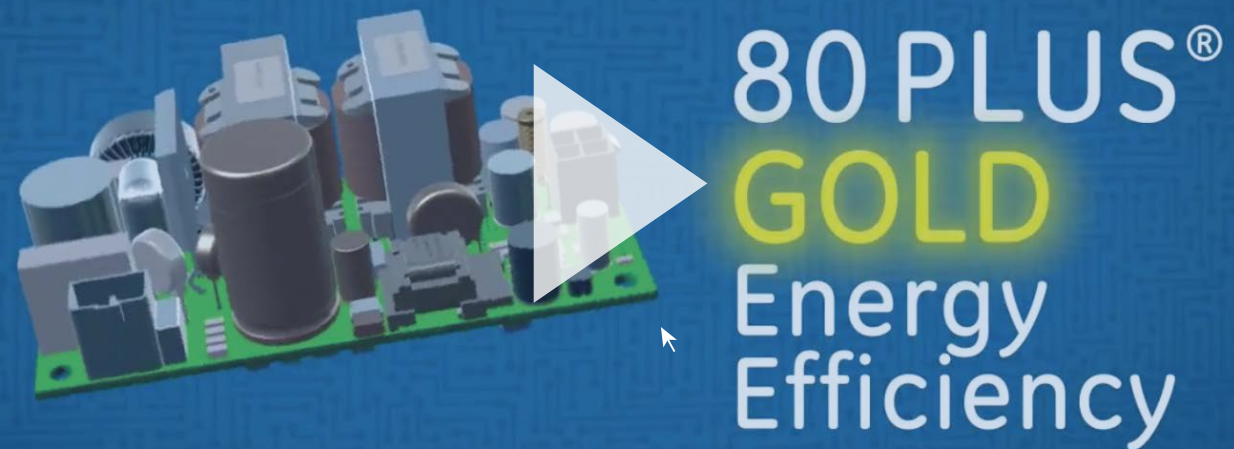
The fanless design of the CLP provides **HIGHER RELIABILITY** and current sharing with another power supply.



You
Tube

CLP0212 Efficiency

Watch the Compact CLP0212 In Action



More to Come!

An entire family of CLP products, with various power (150W, 200W, 450W) and voltage (12V, 24V) options, is in the works!

Learn More

<http://www.geindustrial.com/dna>

Connect with GE Critical Power



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