

**Main Features**

- Industrial Applications
- Solid-state PWM Switching
- Modular Design
- System Voltage: 12 / 24 / 48V
- Output Voltage = 0V to Input Voltage
- Output Current = 2 versions:
0 – 25A / 0 - 50A
- Enclosure Options:
Painted Steel, Stainless Steel,
GRP or 19" Rack Enclosure
- Interrupt Timer Built In
- External Interrupt Timer Input
- RS232 Port as standard with optional
data logging.

Specification Highlights

- | | |
|---|--|
| ➤ System Voltages: 12 / 24 / 48V | ➤ Display of Voltage, Current & Ref-Electrode Set-points and Actual Output / Input |
| ➤ System Polarity: Positive Earth only | ➤ Interrupt Timer – 1 to 9,999 seconds on / off |
| ➤ Individual User-Controlled Set-points | ➤ External Interrupt Input |
| ➤ Constant Voltage Control | ➤ Painted Steel IP66 Enclosure |
| ➤ Constant Current Control | ➤ Stainless Steel IP66 Enclosure |
| ➤ Reference Electrode Voltage Control | ➤ GRP (Polyester) IP65 Enclosure |
| ➤ Automatic Change of Control Mode | ➤ 19" Rack Enclosure |
| ➤ High and Low Current Alarm V/F Contacts | ➤ Ambient Temperature range -10°C to +58°C |
| ➤ Induced Lightning Protection | |

Operation

The CPC is capable of operating with any suitable DC power source. High speed pulse-width-modulated (PWM) switching technology is used to obtain high conversion efficiency. The CPC can operate in one of three modes: constant voltage, constant current and reference electrode voltage control. The interrupt timer can be configured with separate on and off times, from 1 to 9,999 seconds in 1 second steps.

Display

An alphanumeric LCD displays the operating parameters of the unit: Output voltage set-point and actual, output current set-point and actual, reference electrode voltage set-point and actual, and alarm set-points.

Ordering

Product	System Voltage	Enclosure Type
CPCx25A, CPCx50A	12V, 24V, 48V	Painted Steel, Stainless Steel, GRP (Polyester), 19" Rack