

## Sollatek product information

### SCP21-08 CATHODIC PROTECTION CONTROLLER

The Cathodic Protection Unit (CP) is a specialised power converter which provides DC current to metal pipelines, storage tanks, bridges, or other exposed equipment to cancel the effects of natural chemical corrosion. The CP operates directly from storage batteries common to photovoltaic systems and is equipped with a low voltage shut-down feature to prevent battery damage.

The Cathodic Protection Controller is designed for trouble free service in all environments and includes many special features which make it easy to operate and maintain in the field. Power consumption and heat generation are minimised in the CP since efficient solid state circuitry is used instead of ballast resistors typical of earlier cathodic protection units. The power circuit contains no moving parts to wear out or break down. Quality voltage and current meters provide output monitoring which facilitates field adjustment. This is easily performed by turning the single turn potentiometers. Recalibration can be performed in minutes without special tools or meter equipment.

- Complete weather protection
- Easily mounted
- Protection from damage
- Solid state
- 2 year warranty

“...Provides clear and simple settings”



Input voltage



Output power



Weather protection



CE approved



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Since corrosion protection systems normally operate in remote, unattended sites, they should be protected from the common effects that make them fail such as: lightning exposure, battery damage, and short - circuits. That's why every Sollatek CP Unit includes lightning transient suppression, indication and output overload protection. Our dual transient protection

network will suppress electrical spikes and surges that normally damage field equipment. Our built-in circuit breaker prevents damage to the CP and other components. To help reduce overall system cost, the CP includes manually adjustable current and voltage outputs. Standard photovoltaic modules can be used and the CP output adjusted to the desired level.

## Product Overview

The CP Unit can provide:

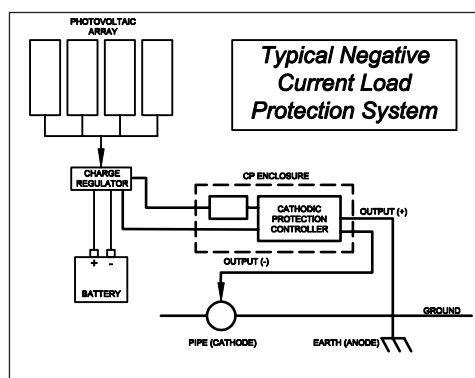
- 1) Adjustable current output with fixed upper limit on voltage output OR
- 2) Adjustable voltage output with fixed upper limit on current output

### Standard Features

- Ideal for solar powered systems
- User adjustable output voltage

### Control Features

- Constant Voltage
- Constant Current



## Specifications

NAME	SCP21-08
Output current	8 Amps
Power	120 Watts
Input range	20 to 30 Volts
Output range	1.2 to 15 Volts adjustable (One turn dial)
Output current	0 to 8 Amps adjustable (One turn dial)
DCDC type	Non isolated step-down constant current
Operation	Switching buck converter (300kHz)
Efficiency	95%
Accuracy	± 1%
IP rating	IP65
Operating temperature	-10 to 55°C
Dimension	400 x 150 x 300 (WxDxH)
Weight	10kg
Indication LED	- Power on/off - Low supply ( voltage <21V) - High temperature 70°C<
Warranty	2 years
Lockable	yes
Wall mountable	yes
Meter	Analogue
Stock code	94712108

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