



# Naps Cathodic Protection Controller NCPC 25 or 50Amps

Industrial cathodic protection controller operating from any stable d.c. power supply, especially the battery of a photovoltaic system. High speed pulse width modulated (PWM) switching technology is used to obtain high conversion efficiency. The NCPC can operate in one of three modes: constant voltage, constant current or half-cell voltage control.

## NCPC 25A and 50A

### Main Technical Characteristics

- Output Voltage: 0 to Battery Voltage
- System Polarity: Positive Earth only
- Individual user-controlled set-points
- Automatic change of control mode between constant voltage, constant current and half-cell voltage control, according to ground conditions.
- Interrupt timer 0-999 seconds on / off
- External interrupt input for external timer
- Low Current Alarm / CPC Fault
- Lightning protection
- Ambient temperature range -10°C to +55°C
- Digital display of:
  - Output voltage set-point and actual
  - Output current set-point and actual
  - Half-cell voltage set-point and actual
  - Low current alarm setpoint

### Options

- System Voltage: 12, 24 or 48 Volts input (factory set)
- Output Current: 0 - 25 A or 0 - 50 A
- Housing options:
  - Stainless Steel IP66 (standard)
  - Painted Steel IP66
  - GRP (Polyester) IP65
  - 19 inch Rack Enclosure (4U for 25A, 8U for 50A)

*When ordering, please specify all the above*

### Dimensions

Painted or stainless steel IP66 enclosure:  
600 x 400 x 210mm

GRP (polyester) enclosure IP65:  
600 x 400 x 230mm

19 inch Rack Enclosure: 25A: 4U (177mm high), 50A: 8U (355mm high)

### Weight

Standard stainless steel IP66 enclosures:  
25A: 19kg, 50A: 20kg

*Information last updated 9th August 2005*