

Metallic Structures Anti Corrosion Solutions

SCP-2000-(One channel) Switching Cathodic Protection Automatic Rectifier System



ADVANTAGES

- Remote Control and Monitoring
- Capacity 0-25 Amp/0-80 V
(extendable in SCP 5000&10000 Watt)
- Wide Current Voltage range
- Photo Voltaic Systems compatible
- Low output ripple (< 300 mV p-p)
- Natural air cooled (Oil free)
- Low Net Weight(30 Kg)
- High Efficiency (Up to 91%)

COMMUNICATIONS

- Web Enabled
- Satellite(optional)
- GSM Modem
- RS232/RS485
- UHF Radio/VHF(optional)

NORMAL OPERATION

- Constant Current Operation
- Constant Voltage Operation.
- Constant GND Potential Operation
- Timer Mode Operation(Leakage Test)
- Manual Mode Operation

- **Remote Control and Monitoring, Low Net Weight, Oil free Cooling and Automatic GND Potential Control** make significant reduction of operational costs.
- Compatibility with Photo Voltaic Systems makes Cathodic Protection possible out of electrical power Net.
- High Power Factor level and Wide Range Input Noise Filter make low inserted harmonics level in to Power Net.
- Reducing the output ripple down to less than 300 mVp-p, causing best result in CP process.

The SCP-2000 and SCP-1000 from **tavan tarahan amin shargh** offers the latest in automatic rectifiers with switching technology for cathodic protection. These are designed and manufactured in accordance with maximum reliability criteria using modern manufacturing processes. The wide variety of available models, cover most applications in production, transportation, distribution and storage of Water and Oil & Gas.

The most important characteristic of the SCP series rectifiers is its capacity to operate within a wide variety of input & output voltages, unique in rectifiers of this type. This is accomplished by Pulse Wide modulation switching architecture.

Industrial grade manufacturing makes this capable of continuous service, even under most severe environmental conditions, these characteristics of the SCP 2000/ 1000 products combined with their great communication capabilities, permit users to obtain significant reduction of operational costs, and optimization of maintenance resources.



Tavan Tarahan Amin Shargh