



SCP-C
Rectifier for Impressed Current
Cathodic Protection System (ICCP)



SCP-C Cathodic Protection

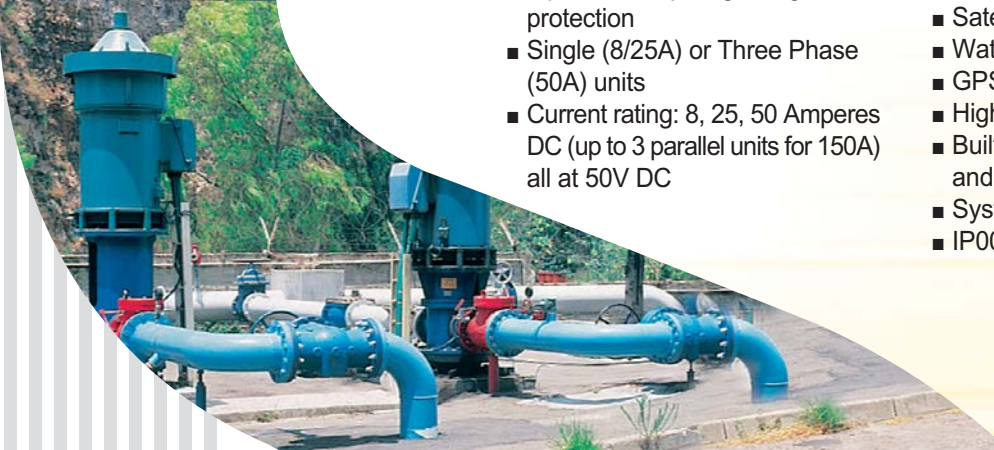
Solcon Industries offers advanced digital Impressed Current Rectifier for Cathodic Protection. The SCP-C includes a wide range of protection and measurement features, thus, providing the Ultimate solution for continuous supervisory operation.

SCP-C is designed and built according to the stringent standards such as NACE, CE, and DNV.



Advantages at a glance

- Micro processor control
- Internal interrupter
- Input for external interrupter
- Input and output lightning protection
- Single (8/25A) or Three Phase (50A) units
- Current rating: 8, 25, 50 Amperes DC (up to 3 parallel units for 150A) all at 50V DC
- Mode of operation : Pre-adjusted Constant voltage, Constant current, Constant potential (Instant off)
- Communications – GSM, control setting and feedback
- RS485 Modbus
- Satellite communication
- Water irrigation control
- GPS for time synchronization
- High resolution current and voltage adjustment
- Built in LCD display with Voltage, Current, Energy and Potential measurements
- System efficiency: 85% min
- IP00-65 enclosure



Alarms

- Input voltage failure
- Output current error
- Output voltage error
- Reference potential error
- Low backup battery voltage
- Cabinet over temperature

Protection features

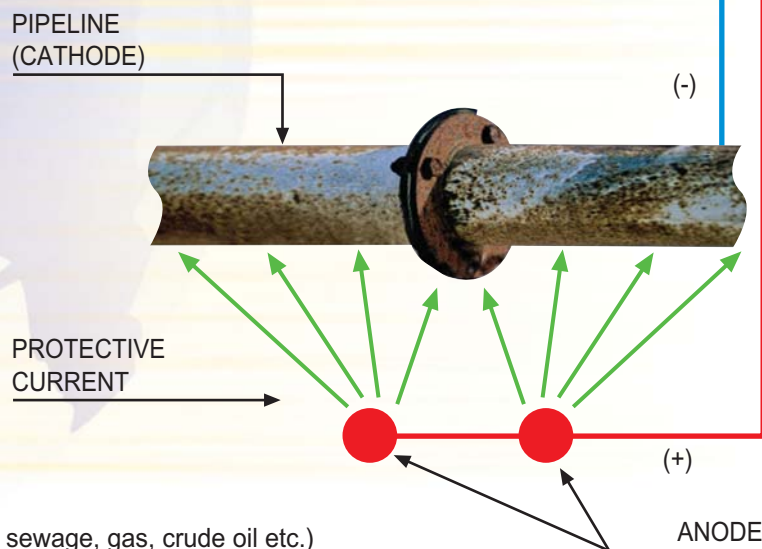
- Over current on the output
- Phase loss (power down)
- Over voltage on the input side (lightning protected)
- Over voltage on the output side (inductive voltage from external sources)





RMU - Remote Monitoring Unit

- Volt, Ampere and Potential measurements
- RS485 with Modbus protocol
- GSM Communication
- Irrigation control
- Interrupter control with GPS time synchronization
- Optional external interrupter
- Under Voltage and No Current alarm



Application

- Pipelines (water, sewage, gas, crude oil etc.)
- Ships' hulls
- Storage tank bases
- Water-circulating systems
- Jetties and harbor structures
- Ship's tanks (product and ballast)
- Storage tanks (Fuel, oil and water)
- Steel sheet, tubular and foundation pilings
- Offshore platforms, floating and sub sea structures

Additional Products

Additional catalogues available from Solcon's product range



HRVS-DN
Medium Voltage Soft-Starter,
for Asynchronous and
Synchronous Motors
50-2700A, 1500-15000V

HRVS-TX
Transformer Starter



RVS-DN
Digital Soft-Starter
8-3000A, 200-1000V
Severe, heavy and standard
duty for Line and Inside
Delta applications



RVS-DX
Digital Soft-Starter
8-1100A, 200-600V
with a built-in bypass
and LCD display for
Line and Inside
Delta applications



RVS-TX
Digital Transformer
Starter
8-3000A, 220-1000V



RVS-AX
Electronic Soft Starter
8-170A, 220-600V
with motor protection
and a built-in bypass



SOLSTART PLUS
Soft Starter 31-170A, 220-600V
with a built-in bypass and
motor protection



Solstart
Miniature Soft Starter
8-58A, 208-600V
with a built-in bypass,
for single and three
phase motors



TPS
Thyristor Power Controller (Heaters)
Zero Crossing and Phase Control



MPS-6
Motor Protection and
Control Relay



MIP-6
Motor Insulation
Protection Relay



TPR-6
Temperature
Protection Relay

MPS-3000

Motor Protection & Control Relay



SMB
DC Injection Brake



PFC-10
Power Factor Controller



DPM-10
Digital Power Meter



DGC-2000
Digital Generator
Control & Protection system



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