



# Cathtect

Engineering (Pty) Ltd.

## Solar Powered Cathodic Protection Rectifiers



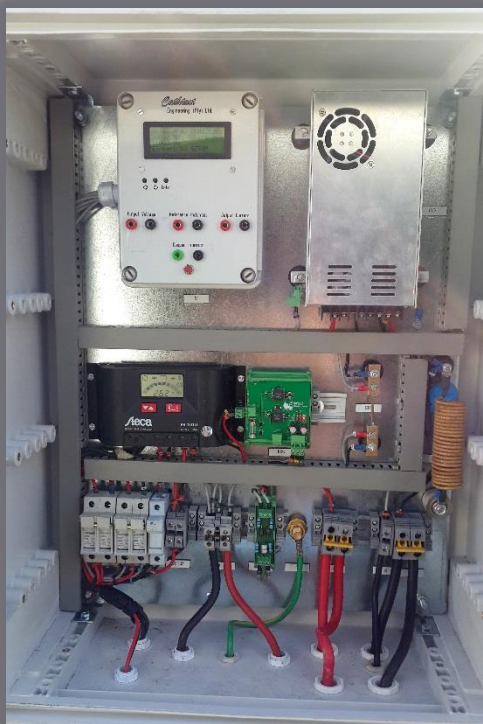
WHAT IT TAKES!

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# Solar Powered Cathodic Protection Rectifier



SPR FRONT



SMR Solar Panel

At Cathtect, We are all about innovation and new designs that meet the needs of clients. **Cathtect's Solar Powered Rectifier** is an innovative advancement in application of Cathodic Protection. This system is designed and developed to fundamentally protect pipelines using renewable energy, which decreases the amount of electricity required from the formal sector. This system saves electricity, money, resources and minimizes carbon footprint.

**Cathtect's Solar Power Rectifier** is powered by a DC battery bank with controllable automatic output voltage. The battery bank is charged during day light hours by suitably rated poly or mono crystalline solar panels. Not only does this system work off renewable resources, but the size and length of cable used is less than the conventional Rectifier Unit. By using less and shorter cable on a rectifier, this saves cost and minimises the attraction of theft and vandalism. **Cathtect's Solar Powered Rectifier** is highly beneficial to our client, the economy and in addition, the environment.

## Solar Design Features

- 24V 10A Output
- 48V 20A Output

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# Benefits and Features of Cathtect's Solar Powered Cathodic Protection Rectifiers

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## Benefits of Solar Powered Cathodic Protection Rectifiers

- Suitable for areas with no power access
- Makes use of clean and efficiently generated energy
- Limited maintenance and maintenance costs
- No electricity supply costs
- Robust design
- Long design life
- Remote monitoring can be included
- Lower carbon footprint, making use of renewable energy



**Various configurations available, according to client specification & environmental needs.**