

UltraEfficiency™ Cathodic Protection

100% Continuous solar power and protection

A critical part of pipeline infrastructure is cathodic protection (CP). At Solarcraft, we understand the importance of this key aspect of pipeline integrity by developing our UltraEfficiency™ 100% solar-powdered cathodic protection system. Each system is designed and customized to your application by our in-house engineers and subject matter experts. We consider the geography, climate, and other surroundings to ensure you the most accurate system, allowing us to eliminate inefficiencies, unnecessary costs, and drastically reduce the chances of failure in the field.

Offshore Louisiana, inland waters
Pipeline application



Solarcraft Solar Power Efficiency Rate

- Solarcraft CP controllers are up to 97% efficient at 10V 30A
- Our CP controllers operation rate is 40-50% higher than traditional AC installations, allowing our solar installations to be almost half the size than conventional AC rectifiers

Integrated Capabilities and Design

All elements of our solutions are housed within a robust NEMA 3R/NEMA 4X enclosure. The communications, PLC, and any other related controls can easily be incorporated into the enclosure, along with reference cell control. The systems can be skidmounted for easy deployment.

Every system is designed, fabricated, integrated, and tested within our facility to achieve the highest standard in quality.

Solarcraft Cathodic Converter

- Low heat thermal design
- Peak power efficiency greater than 97%
- On-board surge protector
- Fan-less design
- Suitable in harsh environments and extreme temperatures



At Solarcraft, we enable you to implement an overall Integrity Management Plan by engineering and building reliable solar power systems for impressed current cathodic protection.

Solarcraft Cathodic Converter Specifications

General Specifications	
Weight	3.31 lbs
Dimensions (LxWxH)	9.45"x6.3"x3.54"
Input/Output Power Cable Size	0.98 sq in
Maximum Ratings	
Maximum Ambient Air Temperatures	122°F
Maximum Output Current	30A
Minimum Battery Input Voltage	11V
Maximum Battery Input Voltage	60V
Electrical Characteristics	
Output Voltage (Adjustable)	0-V in
Standby Current Consumption	35 mA
Efficiency @ 10V, 30A 77°F Amb	97%
Output Current Variation with Load	< +/- 0.50%
Output Current Variation with Temp	< +/- 0.50%
Current Interruption Fall Time	1-2 ms (typ)