



CATHODIC PROTECTION TAP CONTROLLED RECTIFIERS

The 3rd Harmonics Series Tap Controlled Rectifiers offers a rugged, tap-controlled diode-based rectifier designed exclusively for Impressed Current Cathodic Protection (ICCP). It ensures your infrastructure—pipelines, tanks, marine structures, and underground assets—remains corrosion-free and operational for years.

Standards

reference: 17-SAMSS-004 Conventional (Tap Adjustable) Transformer/Rectifiers for Cathodic Protection.

Technical Specifications

Sr No	Parameters	Specifications
1	Types	Standard Rectifier (Manual Taps) / Variac Control
2	AC Input Voltage	480 V $\pm$ 10%, 60 Hz $\pm$ 2.5%, 3 Phase, 3 Wire 3wire
3	DC Output Voltage	25–100 VDC#
4	DC Output Current	50–300 ADC#
5	Ripple	$\leq$ 15%#
6	Relative Humidity	0%–100%
7	Ambient Temperature	0°C to 55°C
9	Fuses protections	AC Input, Transformer Secondary, DC Output
10	Color	RAL 7035 powder coating
11	Cooling Type	Air-Cooled
12	Indications	Output DC Voltage & Current Voltage indicator of sensor electrode
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Note: # - different ratings, lower ripple & different duty class available on request

KEY NOTES :

- Rugged outdoor-ready construction built for harsh C4/C5 environments.
 - Flexible voltage and current ranges to match diverse CP system requirements.
 - Variety of AC voltage inputs, Single Phase, Three Phase, 50 or 60 Hertz
 - AC and/or DC High Energy lightning protection
 - Efficiency filter chokes
 - Meter switches
- Other options per request of customer

OUR PROMISE :

- Troubleshooting and technical guidance
- Remote diagnostics and corrective instructions
- On-site engineer visits when required

Applications

- ✓ Oil & Gas Production Units
- ✓ Long-Distance Pipelines
- ✓ Marine and Offshore Installations

Why Choose Us?

- 💰 Cost-Effective
- 🛠 Low Maintenance Design
- 🧠 Simple Operation & Smart Monitoring

