

60V 14.5A “Amit” Rectifier

General

PipeCP all-digital TDK-based 60V 3.5A rectifier provides superior performance, unmatched scalability, and is tailored to meet INGL cathodic protection unique needs.

3 working modes are natively supported and can be configured both locally and remotely:

1. Constant Current/Constant Voltage
2. Constant ON Potential
3. Constant OFF Potential

The rectifier embeds a 10.6' touch LCD for easy local configuration, and a cellular controller to allow 24/7 remote monitoring and control of all parameters via top-of-its-class Cloud system.

Remotely configurable Solid State relay (SSR) Interrupter eliminates the complexity and inconvenience involved in deploying and configuring external interrupter for performing surveys and on-going maintenance.

A GPS receiver, is used to enable: (1) GPS-synched interruption using embedded SSR interrupter, and (2) GPS-synched measurements of ON and OFF potentials with configurable IR Drop edge delay.

Auto Start feature ensures immediate and automatic recovery in case of outage.

Picture



Technical Data

Environmental Conditions	Outdoor 0~50° C
Cooling	Forced-Air/Air Condition
Supported Modes	CC/CV, CP_ON, ST_OFF
Input Voltage	1-3 Phase -90~480Vac
Voltage Rating	0 - 60 V Dc
Current Rating	0 - 440 A Dc
Adjustment Resolution	01% of V/I Rating
Local Configuration	via 10.6' Touch LCD
Remote Monitor & Control	24/7 Cloud Monitoring
Potential Measurement	Continues w 100MΩ imp.
AC RMS Measurement	Continues w 10MΩ imp.
Light Protection	100KA Type I
AC-Fault Protection	Up to 35KA Type II
Auto Start	Embedded
Alarms & Alerts	Configurable Embedded

