

## Transformer Rectifier

### Air/Oil Cooled Transformer Rectifier

KT series transformer rectifier is a kind of automatic controlled transformer, used as the DC power for impressed current cathodic protection, manufactured according to IEC146 standard.

With the advantages of stable operation, high efficient, energy-saving, light weight, no noise, lighting protection, the equipment is widely used in the long pipeline, tank interior bottom and other buried and submerged steel instruction.

#### Specification

- ◆ Working temperatures:  $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$
- ◆ AC input voltage: three phase, 400V, 50Hz
- ◆ DC output voltage: DC 0~50V
- ◆ DC output current: DC 0~30 A
- ◆ Voltage accuracy:  $\leq \pm 1\%$
- ◆ Current accuracy:  $\leq \pm 1\%$
- ◆ Internal protection: Water-proof, dust-proof and explosion-proof, IP65
- ◆ CV/CC (You can choose freely.)
- ◆ Power failure test function of switch-off for three second and switch-on for twelve second
- ◆ Type of cooling: Transformers and thyristor components are cooled by oil cooling system, controlling system are cooled by air cooling system.

Attention: we can produce the suitable rectifier according to your request, such as the voltage and current, etc.



Air-cooled Transformer Rectifier



Explosion-proof oil immersed Rectifier



Rainproof oil cooled Rectifier

## **Module-Type Switching Rectifier**

Module-Type Switching Rectifier provides the utmost in rectifier monitoring, data reporting, controlling and interruption - the works. With voltage, current, potential, interruption and instant-off readings, it is specifically designed to focus on wireless communication and internet accessible automation to cathodic protection rectifier systems. An optional interrupter card allows synchronous interruption of groups of rectifiers to be initiated and verified - right over a secure internet link.

### **Advantages:**

- ◆Light weight
- ◆Compact size
- ◆Diversified forms
- ◆Convenient maintenance
- ◆Easy operation
- ◆Simplicity of operation
- ◆High efficiency
- ◆High control accuracy
- ◆Anti-interference capability



**Solar energy module-type switching rectifier**



**Operating module-type switching rectifier**

### **Remote Monitoring & Control System**

Remote Monitoring & Control System (RMCS) is a self-contained, wireless remote monitoring unit for CP Rectifiers. It can monitor of the operational statue of equipment, effect multiple rectifiers switching, measure the cathodic parameter of buried pipeline and tank interior bottom cathodic system, such as rectifier output/input voltage, rectifier shunt current and AC control power detection. Take the advantage of supporting software, we can monitor, manage, store, share and adjust the data on line and translate it to the computer through the communication interface. The major products include CCPM-2000A, CCPM-2000B, CCPM-2000B and CPS-2000A.

#### **The parameter**

- ◆Working temperature:  $-15^{\circ}\text{C} \sim +70^{\circ}\text{C}$
- ◆Storage temperature:  $-40^{\circ}\text{C} \sim +55^{\circ}\text{C}$
- ◆Relative humidity: 20%~90%RH
- ◆Power:  $\text{AC}220\text{V}\pm 10\%$ ,  $50\text{Hz}\pm 5\%$
- ◆Voltage and current transfer interface
- ◆Potential transfer interface
- ◆Lighting protection



Rectifier of Remote Monitoring



Test post of remote monitoring