

SSTR-X型系列 / SSTR-X series

应用 Application

- 在超大功率电力电子重大设备中往往在选用单只电阻而无法达到其他应用条件时，可代为客户设计组合式超大功率电阻器以满足客户之需要。
In high-power power electronics equipment, when a single resistor cannot meet other application conditions, we can design combined high-power resistors for customers to meet their needs.

产品特点 Product features

- 采用多只SSTR1000型电阻器的组合，根据客户设备中的实际使用情况，可配合水冷、风冷、自然冷却等条件进行设计，以达到客户要求任何功率、耐电压的特性。
Multiple SSTR1000 resistors are used in combination, and can be designed with water cooling, air cooling, natural cooling and other conditions according to the actual usage of the customer's equipment to achieve any power and voltage resistance characteristics required by the customer.

设计 Design

案例1（电力机车用）Case 1 (for electric locomotives):

配合电风扇设计的4000W组合电阻器（见图1），绝缘耐压5000V、阻值10 Ω 、40 Ω 、160 Ω 。

The 4000W combination resistor designed in conjunction with the fan (see Figure 1) has an insulation withstand voltage of 5000V, resistance values of 10 Ω , 40 Ω , and 160 Ω .

案例2（电力机车用）Case 2 (for electric locomotives):

配合自然冷却散热面设计的代安装底座的3000W,电阻绝缘耐压5000V、阻值15 Ω 、120 Ω 的电阻器（见图2）

3000W resistors with insulation and withstand voltage of 5000V, resistance values of 15 Ω and 120 Ω , designed to complement the natural cooling and heat dissipation surface of the installation base (see Figure 2)

案例3（电力机车用）Case 3 (for electric locomotives):

配合自然冷却空间设计的1.44MWS，阻值2.4 Ω 的斩波电阻器（见图3）
1.44MWs chopper resistor with a resistance of 2.4 Ω designed in conjunction with natural cooling space (see Figure 3)

案例4（直流输电用）Case 4 (for direct current transmission):

配合水冷却散热器设计的功率为6000W或6000W以上，阻值为6.5 Ω 、40 Ω 、60 Ω 、240 Ω ，绝缘耐压为5000V的电阻器（见图4）

Resistors designed for water cooling radiators with a power of 6000W or above, resistance values of 6.5 Ω , 40 Ω , 60 Ω , 240 Ω , and insulation withstand voltage of 5000V (see Figure 4)

案例5（大型船舶用）Case 5 (for large ships):

在自然冷却条件无风扇状况下为客户设计的100KW，耐压5000V，阻值为4 Ω 的超大功率制动电器（见图5）

A 100KW, 5000V withstand voltage, and 4 Ω high power braking device designed for customers under natural cooling conditions without fans (see Figure 5)

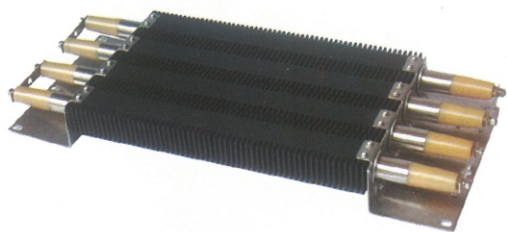


图1

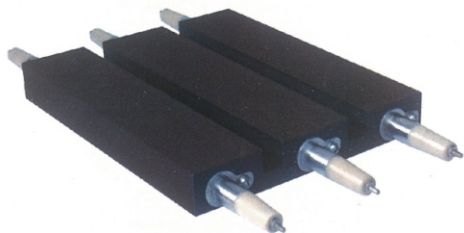


图2



图3



图4

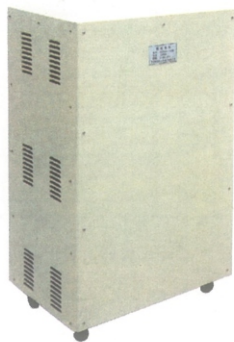


图5