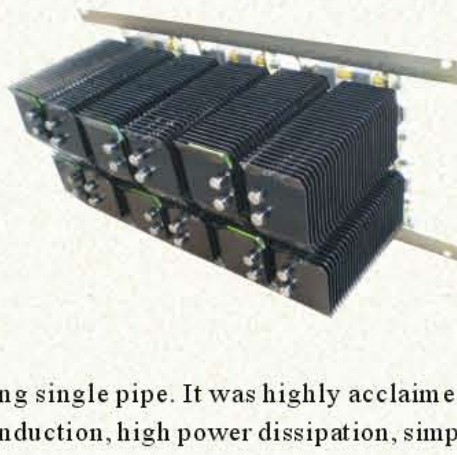


## Heat pipe heatsinks 热管散热器

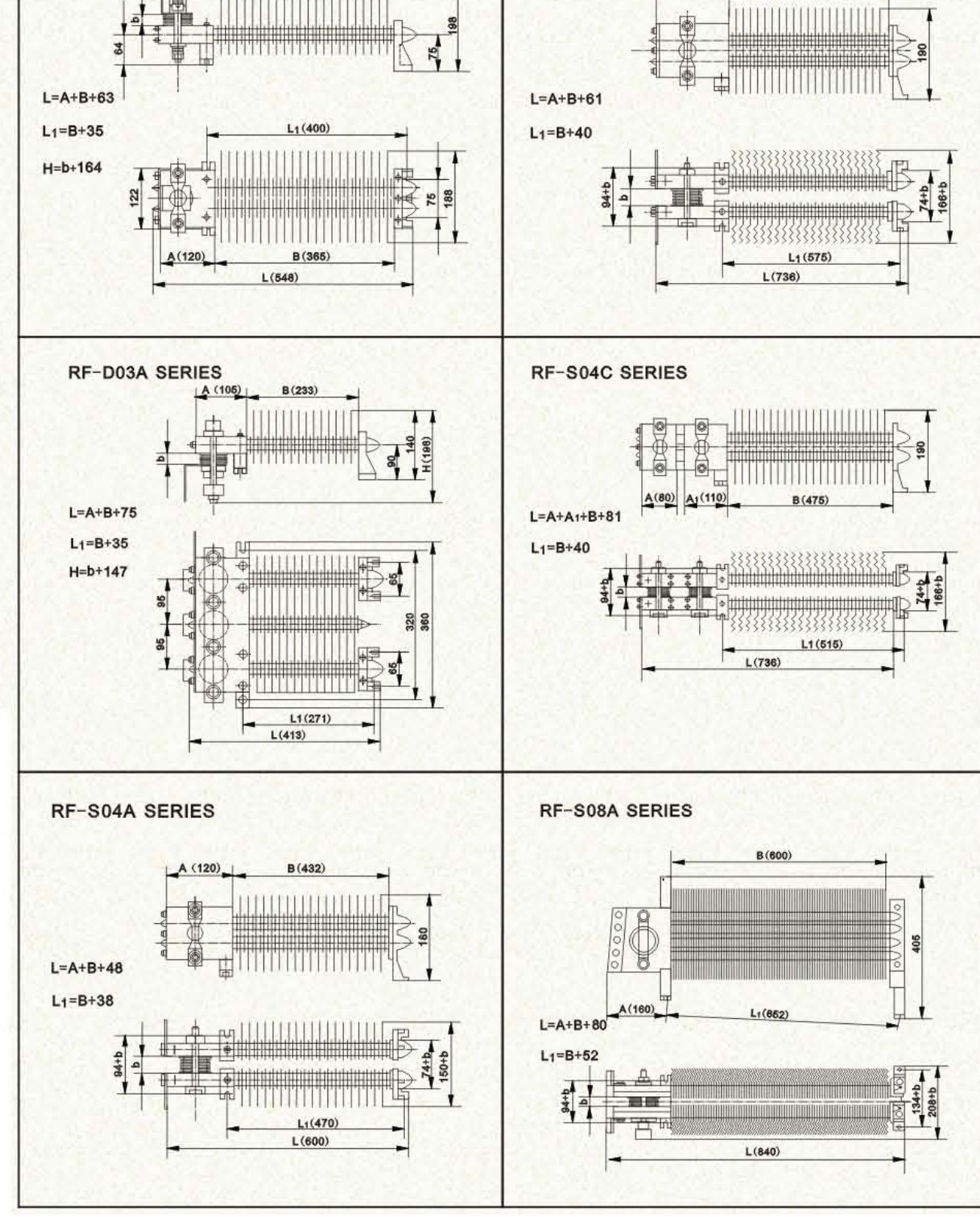
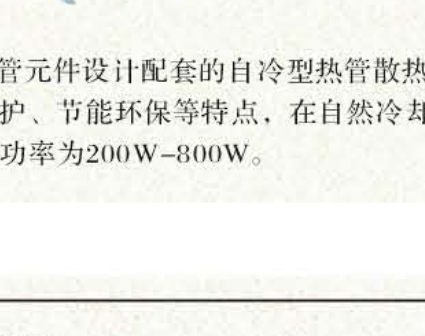


Two types: natural cooling valve group and natural cooling single pipe. It was highly acclaimed by clients with the advantages of low thermal resistance, fast heat conduction, high power dissipation, simple structure, safety and reliability, maintenance free, energy conservation and environmental protection and so on. It is also widely used in the fields of aerospace, military, petroleum, chemical, metallurgy, mechanical, power, electronics, coal, railway, automobile, communication, textile and etc., and it has been widely popular throughout more than twenty provinces, cities and regions as a full import substitution. Especially the heat pipe heat sink assemblies (SVC special purpose type and high-voltage frequency conversion special purpose type) have been highly praised by clients.

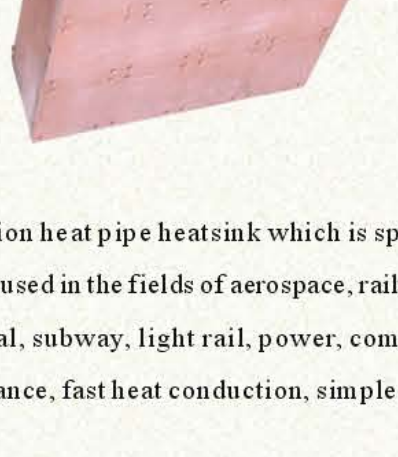
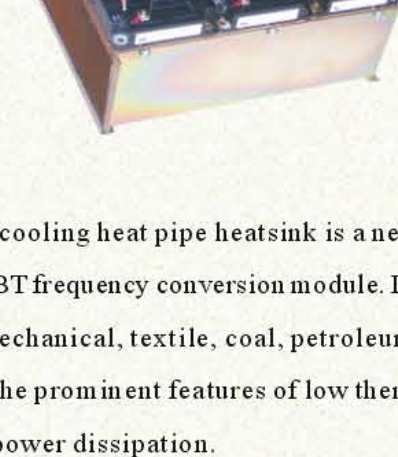
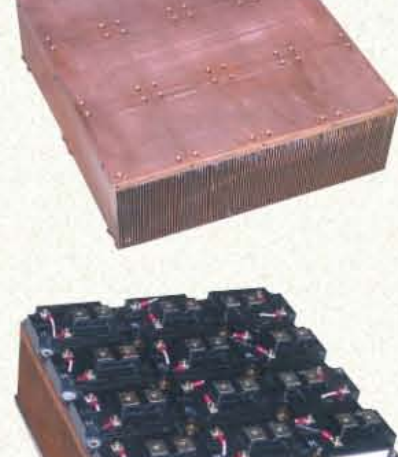
自冷阀组型和自冷单管型两种形式，具有热阻小、热传导快、散热功率大、结构简单、安全可靠、免维护、节能环保等特点，得到了客户端广泛好评。并广泛应用于航天、军工、石油、化工、冶金、机械、电力、电子、煤炭、铁路、汽车、通讯、纺织等领域，畅销全国二十几个省、市和地区，并全面替代进口。特别是SVC专用型和高压变频专用型热管散热器组件，更是得到了客户的高度评价。

### Used for disc type 平板型器件用热管散热器

RF series heat pipe heatsink for disc type device is the natural cooling heat pipe heatsink which is specially used for the disc rectifiers and thyristors. It not only has the advantages of heat pipe heatsinks, but also has the features of simple structure, safety and reliability, maintenance free, energy conservation and environmental protection, which can reach the high power dissipation under the natural cooling. The power dissipation of single device is 200W to 800W under the natural cooling.

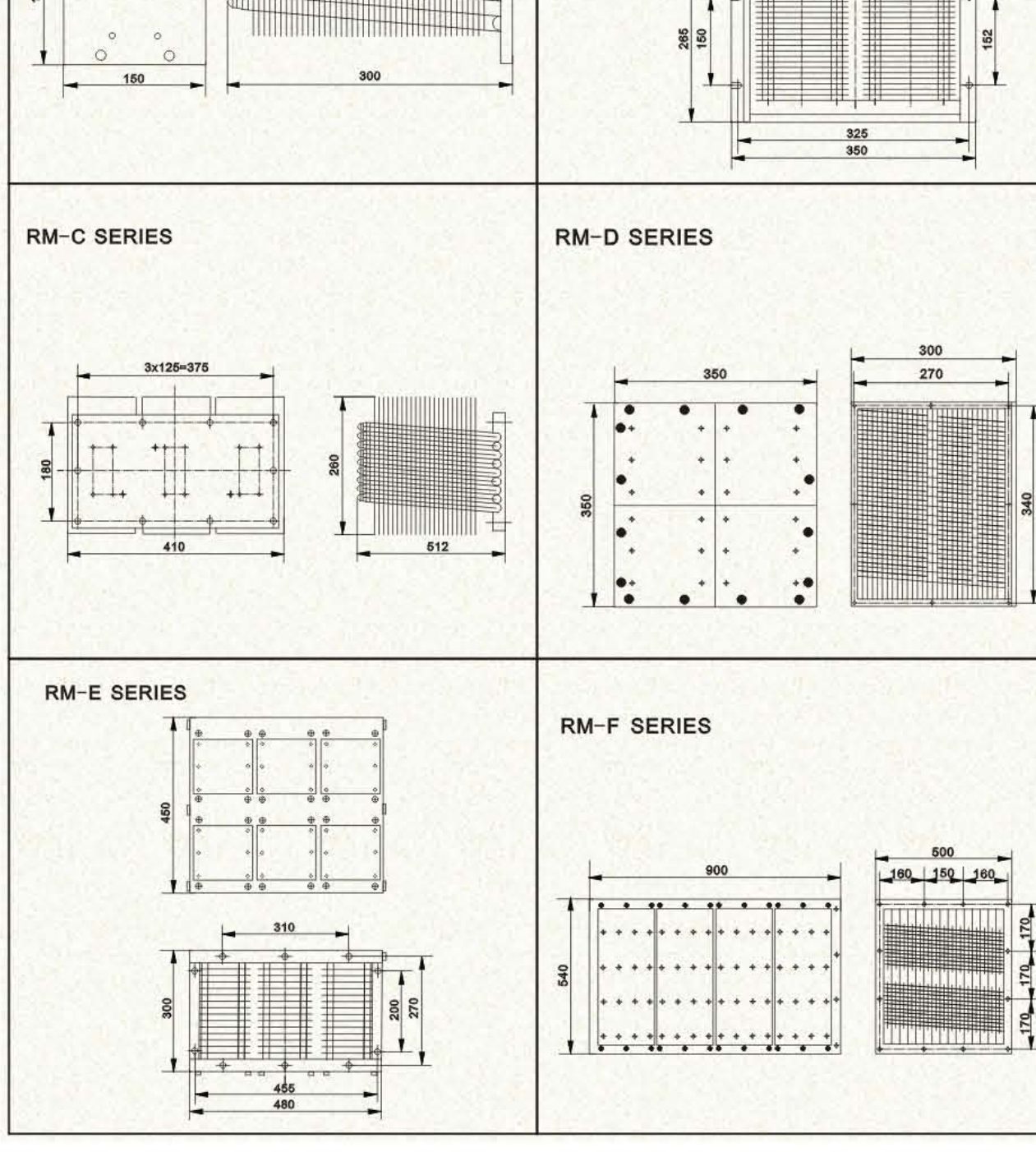


### Used for module 模块用热管散热器



RM series air-cooling heat pipe heatsink is a new generation heat pipe heatsink which is specially used for high power IGBT frequency conversion module. It is widely used in the fields of aerospace, railway, metallurgy, electronics, mechanical, textile, coal, petroleum, chemical, subway, light rail, power, communication and military with the prominent features of low thermal resistance, fast heat conduction, simple structure, small size and high power dissipation.

RM系列风冷型热管散热器是专用大功率IGBT变频模块设计制造的新一代热管散热器。它具有热阻小、热传导快、结构简单、体积小、散热功率大等显著特点，广泛应用于航天、铁路、冶金、电子、机械、纺织、煤炭、石油、化工、地铁、城市轻轨、电力、通讯、军工等领域。



### Special purpose 特殊用途热管散热（传热）器

RT series special purposes heat pipe heatsink is a new generation heat pipe heatsink which is specially used for special applications of coal, petroleum, chemical, power transmission and transformation industries and science and technology institutes.

RTF series heat pipe heatsink is specially designed for the water tanks, petrol tanks and reagent tanks of factories, scientific research institutes and laboratories to dissipate the heat and lower the temperature.

RTF series heat pipe heatsink is specially for heating oil storage tank and crude oil transportation pipeline. It is widely used in petrochemical industry with the features of high heating efficiency, flameproof, airproof, safety and environment protection.

RTZ series step-down silicon stack natural cooling heat pipe heatsink is specially designed for the power supply of subway and light rail transmission substations. It is widely used in domestic and exports to overseas countries like Iran with the features of reasonable design, safety and reliability, easy installation, and maintenance free.

RTY series natural cooling heat pipe heatsink is a new type heatsink specially for box-type oil immersed transformers. This product can reliably operate on the 630kVA cabinet type transformers in the long term, which greatly enhances the cooling capacity of cabinet type oil tanks and improves the various functional performances of cabinet type transformers.

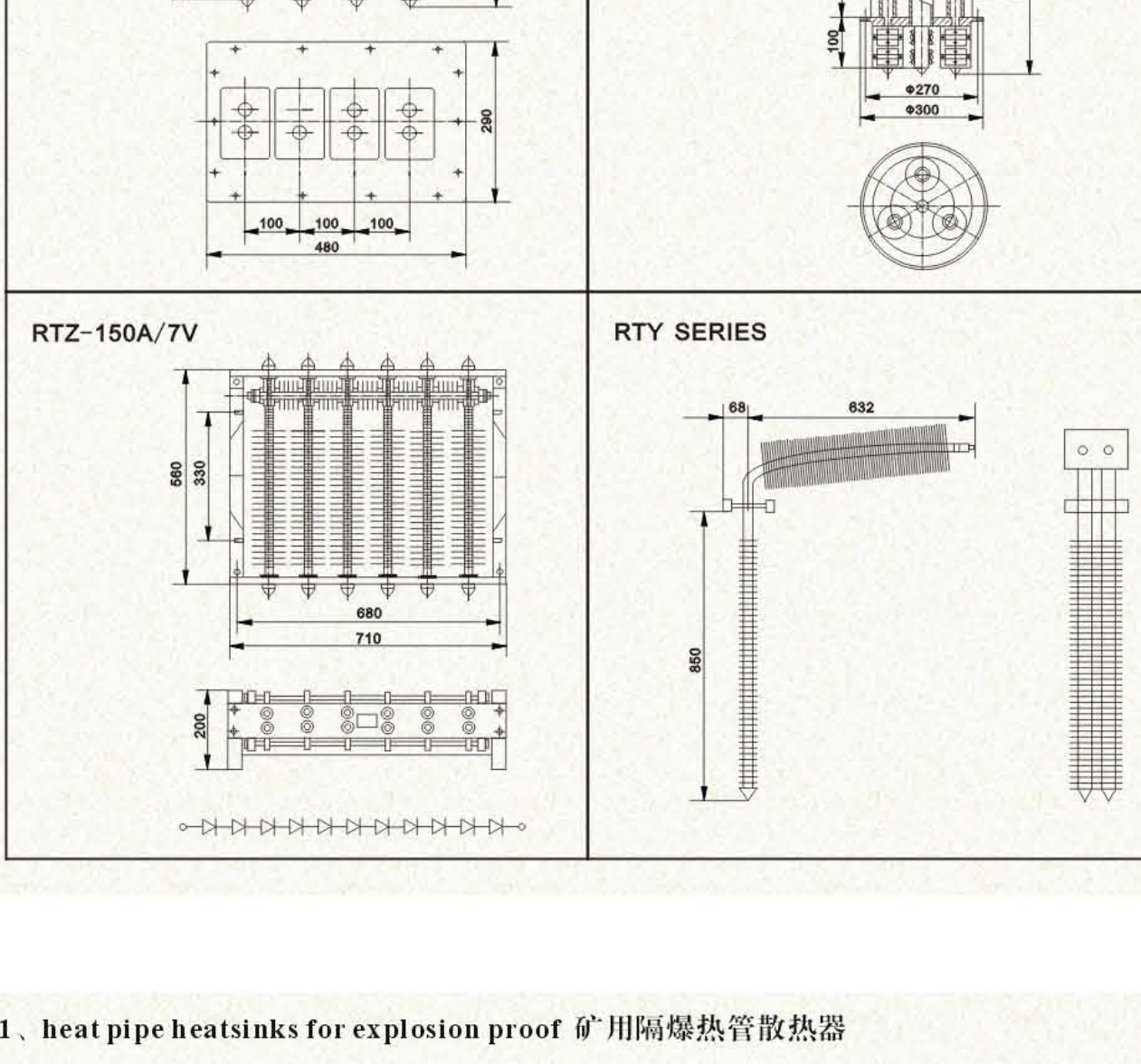
RT系列特殊用途热管散热器是我公司满足煤炭、石油、化工、输变电等行业和科研院所等特殊用途而精心设计、制造的新一代热管散热器。

RTF系列热管散热器是专为工厂、科研所、实验室中的各种水箱、油箱、试剂箱散热、降温所设计。

RTS系列热管散热器是专为石油储罐、石油输送管道加热用热管散热器。它具有加热效率高、防爆、密封、安全、环保等特点，广泛应用于石化行业。

RTZ系列降压硅堆自冷热管散热器，是专为地铁、轻轨变电站供电装置设计制造。它具有设计合理、安全、可靠、易安装免维护等特点。广泛在国内应用，并大批量随即出口到伊朗等国家。

RTY系列自冷型热管散热器是专为箱式油浸变压器设计生产的新型散热器。该产品在630kVA箱变上长期运行，性能可靠，极大地增强了箱变油箱的散热能力，提高了箱变的各种使用性能。



#### 1、heat pipe heatsinks for explosion proof 矿用隔爆热管散热器

Application: converter in the mine, IGBT module  
用于煤矿井下变频器IGBT模块散热。  
Cooling mode: natural 冷却形式：自然冷却；  
Heat radiation power 散热功率6000W；  
Temperature rise 温升40℃；  
Thermal resistance热阻0.0067℃/W



#### 2、heat pipe heatsinks for electric locomotive 机车用热管散热器

Application: primary inverter and auxiliary power supply for traction electric locomotive  
用于城际轨道交通车辆牵引用主变流器及辅助电源。  
Cooling mode: natural 冷却形式：自然冷却；  
Heat radiation power 散热功率500~2000W；  
Temperature rise 温升40℃；  
Thermal resistance热阻0.08~0.02℃/W



#### 3、heat pipe heatsinks for SVC SVC 用热管散热器

Application: dynamic VAR compensation  
用于电力系统动态无功补偿装置（SVC）  
Cooling mode: natural 冷却形式：自然冷却；  
Heat radiation power 散热功率500~2000W；  
Temperature rise 温升40℃；  
Thermal resistance热阻0.08~0.02℃/W



#### 4、heat pipe heatsinks for other electric controllers 其他电控装置用热管散热器

Cooling mode: forced air cooling 冷却形式：风冷  
Heat radiation power 散热功率2000~3500W；  
Temperature rise 温升40℃；  
Thermal resistance热阻0.02~0.011℃/W

