

威 佳

威佳电气,
每位工程师的专业选择!

UE-iHot-SP200W-UL

Product Introduction



使用产品前请仔细阅读本使用说明，并请妥善保管

1 产品概述

Product Description

UE-iHot-SP200W-UL 新系列是一种紧凑的外壳加热器，能够提供高达 500W 的高输出功率。iHot 开发了一系列加热器模块，解决了由于箱内温度过低而产生的冷凝现象和电气元件在低温下无法工作的问题。与传统箱式加热器相比，具有结构紧凑、节能高效、温升下降快、安全可靠等优点。

The UE-iHot-SP200W-UL new series is a compact enclosure heater capable of delivering high output power of up to 500W. iHot has developed a series of heater modules to solve the problem of condensation caused by too low temperature in the box and the electrical components can not work at low temperatures. Compared with the traditional box heater, it has the advantages of compact structure, high energy saving, fast temperature rise and fall, safe and reliable.

1.1 型号参数 Model Parameters

型号名称 Type Name	最大功率 Maximum Wattage	电源电压 Supply Voltage
UE-iHot	200W	220~240VAC 50Hz/60Hz
	300W	
	400W	
	500W	

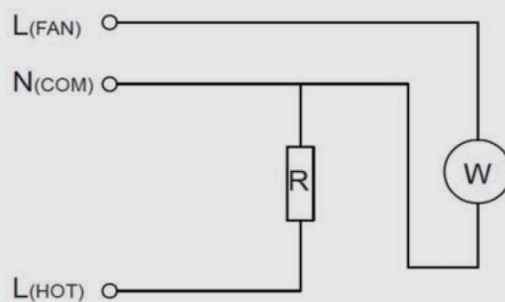
2 技术参数

Technical Parameters

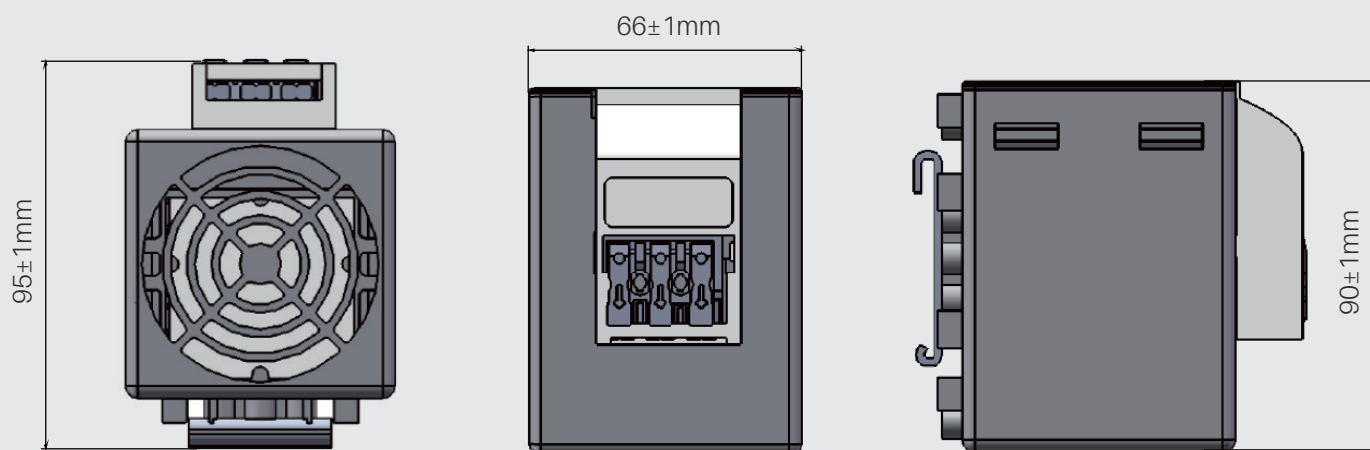
品牌 Manufacturer	Vaule+
产品类型 Product Type	200W, 220V~240V,PTC 加热器
型号 Model	UE-iHot-SP200W-UL
详细参数 Detailed Parameters	
防护等级 Ingress Protection	IP20
运行温度 Operating Temperature	-40°C ~+70°C
运行电压 Operating Voltage	230V
加热功率 Heating Power	200W at 10°C
瞬间启动电流 Instantaneous Starting Current	2.8A
运行电流 Running Current	0.95A
风机功率 Fan Power	4.1W
风机风量 Fan Air Volume	17.5CFM
转速 Speed	4100RPM±20%
噪音 Noise	30dB
重量 Weight	325g
安装方式 Installation Mode	DIN35mm 导轨卡扣安装 DIN35mm Rail Clip Installation
认证 Authentication	CE/UL
CE 认证 CE Authentication	EVU8867406-200W

3 原理图

Schematic Diagram



外观图 Appearance Drawing



4 外部接线方式

External Wiring Mode

导线截面积：带有冷压接头 Sectional area of conductor	0.5-2.5mm ²
剥线长度 Strip Length	8-9mm/0.31-0.35 in

5 低温存储

Low Temperature Storage Test

测试项目 Test Item	测试条件 Test Condition	测试要求 Test Requirement
低温存储 Low Temperature Storage Test	-50℃低温存储 24h, 取出样品, 在室温下给样品通电 Keep the test sample in climatic chamber at -50℃ for 24 hours. After that the heater is turned on and it must work properly	样品能正常工作 It must work properly

6 低温运行

Low Temperature Operation Test

测试项目 Test Item	测试条件 Test Condition	测试要求 Test Requirement
低温运行 Low Temperature Operation Test	-40℃低温存储 2h, 取出样品, 在箱子内给样品通电 Keep the test sample in climatic chamber at -40℃ for 2 hours. After that the heater is turned on and it must work properly	样品能正常工作 It must work properly

7 高温存储

High Temperature Storage Test

测试项目 Test Item	测试条件 Test Condition	测试要求 Test Requirement
高温存储 High Temperature Storage Test	80°C高温存储 24h, 取出样品, 在室温下给样品通电 Keep the test sample in climatic chamber at 80°C for 24 hours. After that the heater is turned on and it must work properly	样品能正常工作 It must work properly

8 高温运行

High Temperature Operation Test

测试项目 Test Item	测试条件 Test Condition	测试要求 Test Requirement
高温运行 High Temperature Operation Test	80°C高温存储 2h, 取出样品, 在箱子内给样品通电 Stored at 80 °C for 2h, samples were taken out and energized in the box	样品能正常工作 It must work properly

9 风扇故障保护

Fan Failure Protection

测试项目 Test Item	测试条件 Test Condition	测试要求 Test Requirement
风扇失效 Fan Failure	在风扇断电情况下, 给加热器持续供电 Provide continuous power to the heater in case of fan power failure	PCT 加热器表面温度维持在 200~240°C之间不再升温, 避免意外风险 The surface temperature of PCT heater should be maintained between 200 and 240 °C to avoid accidental risk

UE-iHot-SP200W-UL

Product Introduction

Vaule Plus,
Professional Choice for Each Engineer!

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