买电源用金兴·快定制又放心

Tauras Power Supply — Customized Solutions, Reliable Performance




**香港金興智能技術有限公司**

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Tauras(Thailand) Industrial Park

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**中山市金兴智能技术有限公司**

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Tauras金兴®



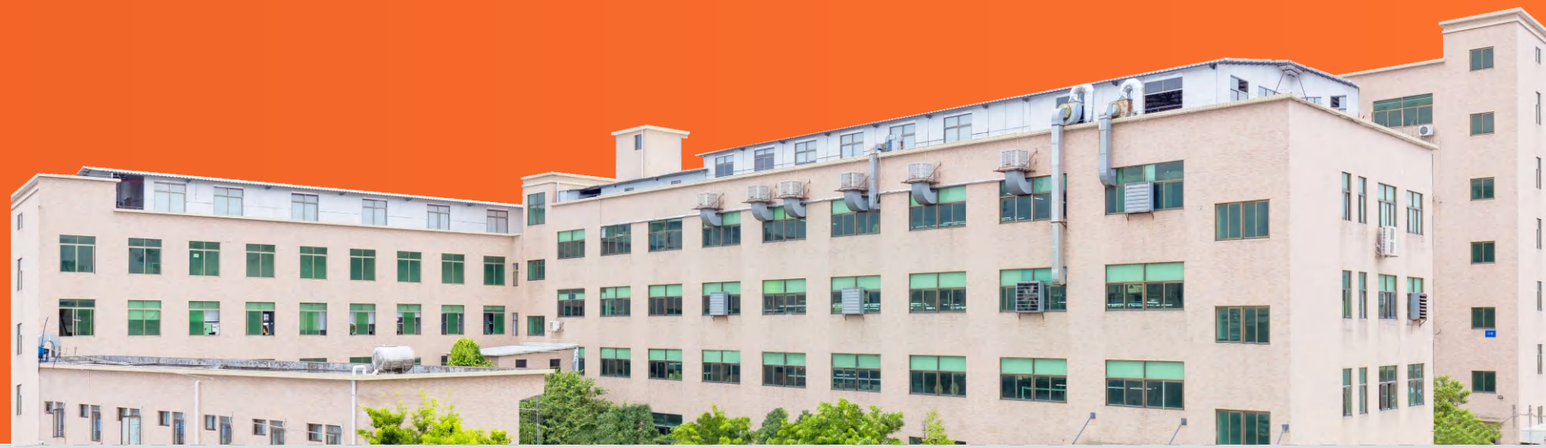
# 电源产品手册

## POWER SUPPLY CATALOG



# 企业简介 ▸▸

COMPANY PROFILE



**1998**年
成立于
Founded in

**400**名
员工
400 employees

**20000**㎡
产业园面积
20,000 m² facility

**1000**万台
年产值
annual output of 10 million units

中山市金兴智能技术有限公司成立于1998年,是从事开关电源研发与生产的专业厂家。经过28年的发展，金兴智能已成长为集产品研发、制造、销售及服务于一体的高新技术企业。公司位于广东省中山市,产业园面积20000㎡，共有员工400余名,其中技术开发团队约60人,拥有雄厚技术和研发实力。金兴开关电源的年产销量近1000万台，用户遍布全国,远销到世界各地。

公司获得了IS014001:2015,IS09001:2015质量管理体系标准认证,产品取得了CCC、CE、CB、TUV、EMC、UL、Class2、FCC、SAA、CQC、UKCA、CUL、BIS、IP67、RoHS、REACH、ATEX、泰国TISI、产品碳足迹证书、LCA报告等多项认证。

2024年，金兴智能在泰国正式建成一座占地2532㎡的智能制造基地，年产能100万台，标志着公司全球产能布局迈出关键一步。该基地全面引进高自动化生产线，并汇聚行业顶尖人才，致力于提升生产效率和产品竞争力，为企业国际化战略注入强劲动力。

Founded in 1998, Tauras is a professional manufacturer specializing in the research, development, and production of switching power supplies. Over the past 28 years, Tauras Intelligent has grown into a high-tech enterprise integrating R&D, manufacturing, sales, and service.Located in Zhongshan City, Guangdong Province, the company operates a 20,000 m² industrial park with more than 400 employees, including a technical R&D team of around 60 engineers, demonstrating strong technological and innovation capabilities. Tauras annual production and sales volume of switching power supplies reach nearly 10 million units, serving customers across China and in markets worldwide.

Certified with ISO 9001:2015 and ISO 14001:2015, Tauras products meet international standards such as CCC, CE, UL, FCC, TUV, SAA, RoHS, REACH,TISI, Carbon footprint，LCA certificate,and more.

In 2024, Tauras established a smart manufacturing base in Thailand, covering an area of 2,532 m² with an annual capacity of 1 million units. This milestone marks a significant step forward in the company’s global production layout. The new facility is equipped with highly automated production lines and brings together top industry professionals, aiming to enhance production efficiency and product competitiveness while empowering Tauras globalization strategy with strong momentum.

## 泰国工厂图片 THAILAND FACTORY IMAGES









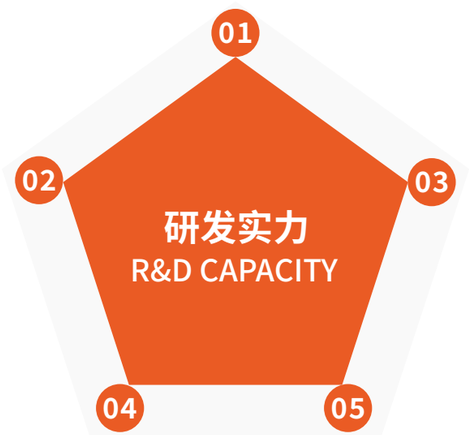


# 研发实力

R&D CAPACITY

60+工程师的研发团队

R&D team with 60+ engineers




项目组长均有10年以上的电源开发经验

Project managers with 10+ years experience in power supply design

公司实验室被授牌中山工程中心

The company’s laboratory was awarded as the Zhongshan Engineering Center

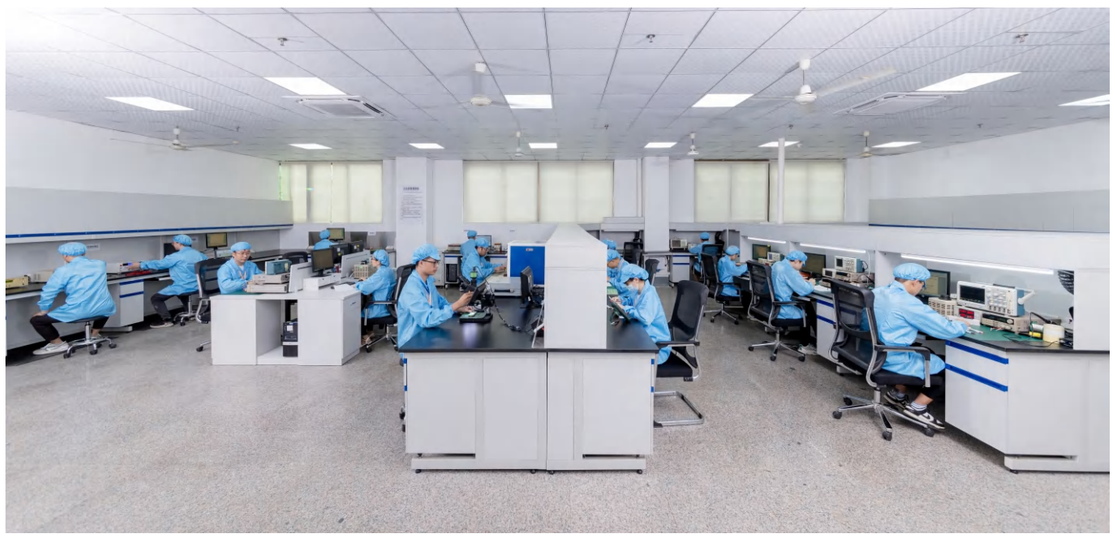
外聘了行业内专业的研发指导

Consulting experts are employed as external R&D advisors

与华南理工大学产研院共建联合实验室

开启产学研合作新篇章

A collaborative laboratory was jointly established with South China University of Technology, opening a new chapter in industry–university–research cooperation



# 技术优势

TECHNICAL ADVANTAGES

## 1 不对称半桥线路结构优势

Asymmetrical Half-Bridge Circuit Architecture

**全负载高效：**

在从空载到满载的宽泛工况下，均能保持极高的转换效率，显著降低系统能耗。

**High Efficiency Across Full Load Range**

Maintains exceptionally high conversion efficiency under a wide range of operating conditions — from no load to full load — significantly reducing overall system energy consumption.

**卓越的空载稳定性：**

空载或极轻载时运行稳定，无震荡或失控风险，待机功耗极低。

**Outstanding No-Load Stability**

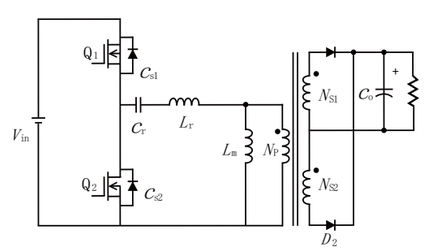
Operates stably even under no-load or ultra-light-load conditions, with no risk of oscillation or loss of control, and features ultra-low standby power consumption.

**固有的可靠性：**

得益于其工作原理，谐振点不受负载或输入电压变化的影响，从根本上杜绝了谐振点偏移问题，提升了系统可靠性。

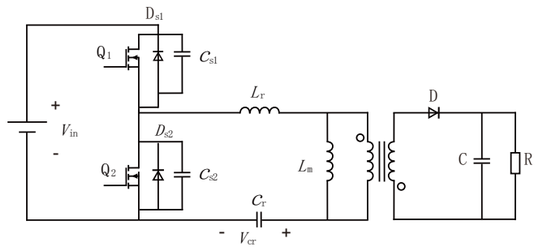
**Inherent Reliability**

Thanks to its unique operating principle, the resonant point remains unaffected by load or input voltage fluctuations, effectively eliminating resonance drift issues and greatly enhancing system reliability.




市面常规——半桥谐振电源线路图

Conventional Design — Standard Half-Bridge Resonant Power Supply Circuit




金兴——不对称半桥电源线路图

Tauras Design — Asymmetrical Half-Bridge Power Supply Circuit

## 2 防水灌封工艺优势

Advantages of Waterproof Potting Technology

### 自动化灌封

**Automated Potting Process**

引入全自动灌胶机为核心环节，实现精准、高效的灌胶作业，从根本上杜绝人为操作偏差，确保每件产品灌封层的一致性。

By introducing a fully automated dispensing system as the core process, Tauras achieves precise and efficient potting operations, completely eliminating human error and ensuring consistent encapsulation quality across all products.



### 制度化品控

**Standardized Quality Control**

建立每日按班次点检PU配比的制度，通过对材料源头的严格校验，确保聚氨酯（PU）能完美固化，达成预期的电气绝缘与物理保护性能。

A batch-based inspection system is implemented to verify the PU mixing ratio every shift. Through rigorous material validation at the source, Tauras ensures perfect polyurethane (PU) curing, achieving optimal electrical insulation and mechanical protection performance.



### 二次灌封工艺

**Dual-Stage Potting Process**

采用“一次灌胶-抽真空-二次灌胶”的创新流程。该工艺能有效排除气泡并确保PU胶完全渗透至细微缝隙，形成致密无缺的封装体，最终大幅提升产品的防水与防潮等级，最高可达IP68防水等级。

Tauras adopts an innovative “potting–vacuum–re-potting” procedure. This process effectively eliminates air bubbles and ensures deep PU penetration into micro-gaps, forming a dense and flawless encapsulation layer. As a result, the product’s waterproof and moisture resistance levels are significantly enhanced — reaching up to IP68 protection.





# 资质证书
CERTIFICATION



# 企业文化
COMPANY CULTURE




## 经营理念 Business Philosophy

为客户创造价值，为员工创造机会，为合作者、企业、社会创造效益

Create value for customers, opportunities for employees, and benefits for partners, the company, and society.

## 企业愿景 Vision

专注电源行业，持续为客户提供最具性价比的解决方案

Focus on the power supply industry, continuously delivering the most cost-effective solutions to customers.

## 企业使命 Mission

为电能的便捷、可靠应用提高品质

Enhance the quality of convenient and reliable power applications.

## 企业价值观 Values

守诚信 积跬步 长创新 求卓越

Integrity, Steady Progress, Continuous Innovation, and Pursuit of Excellence.

# COMPANY PROFILE
# 企业发展历程

## 1998
成立于珠海，生产霓虹灯变压器

Established in Zhuhai, producing neon transformers

## 2003
生产防水驱动器，
中国最早防水电源制造商之一

Developed waterproof function for powersupply and became one of the earliest waterproof power supply manufacturers in China

## 2004
通过UL认证，
开始拓展美国市场

Passed UL certification and began to expand into the US market

## 2007
参与北京奥运会亮化照明项目，
水立方和天安门广场

Participated in the lighting project of the Beijing Olympics, Water Cube, and Tiananmen Square

## 2009
荣获广东省高新技术企业

Awarded as a high-tech enterprise in Guangdong Province

## 2015
可口可乐冰箱采用金兴电源

Coca-Cola refrigerator uses Tauras power supply

## 2016
搬迁中山金兴工业园

Relocation to Zhongshan Tauras Industrial Park

## 2019
国庆60周年，
阅兵天安门广场亮化工程

National Day 70th anniversary, the lighting project of the Tiananmen Square parade

## 2021
生产线大规模自动化改造

Production line large-scale automation transformation

## 2024
推出工业电源系列
超薄系列
数智化管理系统升级

Launch of ultra-thin power supply series and industrial power supply series Upgraded digital management system

## 2025
金兴泰国工厂正式
成立并投产

Tauras Thailand facility officially started production

# 产品导航 ▶▶
PRODUCT NAVIGATION

## 户外防水电源 Outdoor waterproof power supply


- VA 金属壳系列 VA Metal Case Series ---- P13
- VAS 金属壳系列 VAS Metal Case Series ---- P15
- VF金属壳系列 VF Metal Case Series ---- P17
- VFC金属壳系列 VFC Metal Case Series ---- P19
- VFX/VFCX/VFSX金属壳系列 VFX/VFCX/VFSX Metal Case Series ---- P21
- VFS金属壳系列 VFS Metal Case Series ---- P23
- VFSP 金属壳调光系列 VFSP Metal Case dimmable Series ---- P25


## 产品使用条件
CONDITIONS OF USE

**1、产品使用环境及储存条件：**

① 户外产品可使用在：温度-25℃～+50℃；相对湿度不大于98%。

② 户内产品使用的最高环境温度+ 50℃； 相对湿度不大于80%。

③ 产品可储存在：温度-25℃～+75℃；相对湿度不大于80%。

**2、产品安装使用的三大原则：**

① 电网电压必须在电源的规定工作电压±10%范围内， 如输入标称电压为200-240V时，电源则不能接低于180V或高于264V的电网电压使用。

② 不要在异常负载下使用：如超载、极轻负载等。

③ 创造一个利于电源散热的安装方式及环境：

A、严禁将电源安装在高温环境中。

B、尽可能通过热传递的三种方式散热：

a、露于流动的空气中。

b、散热空间尽可能大。

c、安装在大面积的金属板上，并使之接触良好，借助金属板散热。

**3、塑胶管塞和塑胶壳电源安装场地要求:**

① 电源尽量安装在室内(不能安装在有积水低洼地带)；

② 如需室外安装，必须要防雨、防晒措施 (防止胶件老化)，绝对不可以将电源本体直接埋在地下；

③ 通风或利于散热的环境；

④ 安装方向：机壳不干胶(标签)面朝上平放或侧向安装；

**4、必须严格按照产品说明书使用，严禁将产品直接使用在恶劣的环境中（如： 酸碱性较大的地区、泡水使用）。**


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The products parameter shown in the catalogue is for reference only. If there is inconsistency between catalogue and actual product, the actual product shall govern. We Zhongshan Tauras Technologies Co.,Ltd. reserve the final explanation rights to this catalogue.




## 产品特点 FEATURES

VA系列

恒压输出设计;
Constant Voltage;

高电压输入:200-240Vac;
High Input Voltage: 200-240Vac;

内置全方位保护:过压保护、过流保护、过温保护、短路保护等;
Protections: Over-voltage, Over-Current, Over-temperature, Short-circuit, ect;

工作温度范围:-25°C-+60°C,60°C需降额使用;
Working temperature: -25°C-+60°C, must be derating use when 60°C;

整机典型效率高达90.0%;
Typical efficiency up to 90.0%;

防水等级IP67,适合干燥、潮湿、淋雨环境;
IP67 Waterproof, suitable for Dry, Wet, Rain environment;

采用航空级铝材金属外壳;
Aviation class Metal Case;

2年/3年/5年质保期。
2/3/5 years warranty time.



产品规格书
Product Specifications

## 产品认证 PRODUCT CERTIFICATIONS

CE CB IP67 SELV RoHS

## 产品参数 PRODUCT PARAMETERS

| 功率 Power | 型号 Item NO. | 典型效率 Efficiency | 功率因数 PFC | 输入电压 Input Voltage | 输出电压 Output Voltage | 输出电流 Output Current | 产品尺寸 Dimension LxWxH(mm) | 认证 Certificate |
|---|---|---|---|---|---|---|---|---|
| 30W | VA-12030D0952 | 86.0% | >0.5 | 200-240V | 12V | 2.50A | 183.0*29.0*20.5 | CE(LVD) |
| 30W | VA-24030D0952 | 86.0% | >0.5 | 200-240V | 24V | 1.25A | 183.0*29.0*20.5 | CE(LVD) |
| 45W | VA-12045D0920 | 86.5% | >0.5 | 200-240V | 12V | 3.75A | 148.0*40.4*22.8 | CE(LVD) |
| 45W | VA-24045D0920 | 86.5% | >0.5 | 200-240V | 24V | 1.88A | 148.0*40.4*22.8 | CE(LVD) |
| 60W | VA-12060D091 | 89.0% | >0.5 | 200-240V | 12V | 5.00A | 179.0*41.0*31.0 | CE(LVD) |
| 60W | VA-24060D091 | 89.0% | >0.5 | 200-240V | 24V | 2.50A | 179.0*41.0*31.0 | CE(LVD) |
| 80W | VA-12080D0891 | 87.5% | >0.5 | 200-240V | 12V | 6.67A | 179.0*41.0*31.0 | CE(LVD) |
| 80W | VA-24080D0891 | 87.5% | >0.5 | 200-240V | 24V | 3.34A | 179.0*41.0*31.0 | CE(LVD) |
| 100W | VA-12100D1680 | 89.5% | >0.5 | 200-240V | 12V | 8.34A | 202.0*56.0*30.0 | CE(LVD)+CB |
| 100W | VA-24100D1680 | 89.5% | >0.5 | 200-240V | 24V | 4.17A | 202.0*56.0*30.0 | CE(LVD)+CB |
| 150W | VA-12150D1691 | 90.0% | >0.5 | 200-240V | 12V | 12.5A | 202.0*67.2*34.0 | CE(LVD)+CB |
| 150W | VA-24150D1691 | 90.0% | >0.5 | 200-240V | 24V | 6.25A | 202.0*67.2*34.0 | CE(LVD)+CB |
| 200W | VA-12200D1690 | 90.0% | >0.5 | 200-240V | 12V | 16.7A | 235.0*67.2*34.0 | CE(LVD)+CB |
| 200W | VA-24200D1690 | 90.0% | >0.5 | 200-240V | 24V | 8.34A | 235.0*67.2*34.0 | CE(LVD)+CB |
| 250W | VA-12250D1630 | 90.0% | >0.5 | 200-240V | 12V | 20.8A | 280.0*78.0*36.4 | CE(LVD) |
| 250W | VA-24250D1630 | 90.0% | >0.5 | 200-240V | 24V | 10.4A | 280.0*78.0*36.4 | CE(LVD) |
| 275W | VA-12275D1630 | 90.0% | >0.5 | 200-240V | 12V | 22.9A | 280.0*78.0*36.4 | CE(LVD)+CB |
| 300W | VA-24300D1630 | 90.0% | >0.5 | 200-240V | 24V | 12.5A | 280.0*78.0*36.4 | CE(LVD)+CB |
| 250W | VA-12250U0081 | 90.0% | >0.5 | 200-240V | 12V | 20.8A | 269.0*80.0*43.0 | CE(LVD)+CB |
| 250W | VA-24250U0081 | 90.0% | >0.5 | 200-240V | 24V | 10.4A | 269.0*80.0*43.0 | CE(LVD)+CB |
| 275W | VA-12275U0081 | 90.0% | >0.5 | 200-240V | 12V | 22.9A | 269.0*80.0*43.0 | CE(LVD)+CB |
| 300W | VA-24300U0081 | 90.0% | >0.5 | 200-240V | 24V | 12.5A | 269.0*80.0*43.0 | CE(LVD)+CB |



## 产品特点 FEATURES

VAS系列

恒压输出设计;
Constant Voltage;

高电压输入:200-240Vac;
High Input Voltage: 200-240Vac;

内置主动式PFC功能:高功率因数(PF)、低总谐波畸变(THD);
Active PFC function: High Power Factor, Low Total Harmonic Distortion;

内置全方位保护:过压保护、过流保护、过温保护、短路保护等;
Protections: Over-voltage, Over-Current, Over-temperature, Short-circuit, ect;

工作温度范围:-25℃-+60℃,60℃需降额使用;
Working temperature: -25°C-+60°C, must be derating use when 60°C;

整机典型效率高达90.0%;
Typical efficiency up to 90.0%;

防水等级IP67,适合干燥、潮湿、淋雨环境;
IP67 Waterproof, suitable for Dry, Wet, Rain environment;

采用航空级铝材金属外壳;
Aviation class Metal Case;

2年/3年/5年质保期。
2/3/5 years warranty time.



产品规格书
Product Specifications

## 产品认证 PRODUCT CERTIFICATIONS

IP67 SELV

## 产品参数 PRODUCT PARAMETERS

| 功率 Power | 型号 Item NO. | 典型效率 Efficiency | 功率因数 PFC | 输入电压 Input Voltage | 输出电压 Output Voltage | 输出电流 Output Current | 产品尺寸 Dimension LxWxH(mm) | 认证 Certificate |
|---|---|---|---|---|---|---|---|---|
| 30W | VAS-12030D1762 | 87.5% | >0.9 | 200-240V | 12V | 2.50A | 115.0*64.0*32.0 | CE(LVD+EMC)+SAA |
| 30W | VAS-24030D1762 | 87.5% | >0.9 | 200-240V | 24V | 2.50A | 115.0*64.0*32.0 | CE(LVD+EMC)+SAA |
| 40W | VAS-12040D1762 | 87.5% | >0.9 | 200-240V | 12V | 3.33A | 115.0*64.0*32.0 | CE(LVD+EMC)+SAA |
| 40W | VAS-24040D1762 | 87.5% | >0.9 | 200-240V | 24V | 1.67A | 115.0*64.0*32.0 | CE(LVD+EMC)+SAA |
| 60W | VAS-12060D1694 | 87.5% | >0.9 | 200-240V | 12V | 5.00A | 131.0*67.2*34.0 | CE(LVD+EMC) |
| 60W | VAS-24060D1694 | 87.5% | >0.9 | 200-240V | 24V | 2.50A | 131.0*67.2*34.0 | CE(LVD+EMC) |
| 100W | VAS-12100D1693 | 88.5% | >0.9 | 200-240V | 12V | 8.34A | 162.0*67.2*34.0 | CE(LVD+EMC) +SAA+CCC |
| 100W | VAS-24100D1693 | 88.5% | >0.9 | 200-240V | 24V | 4.17A | 162.0*67.2*34.0 | CE(LVD+EMC) +SAA+CCC |
| 150W | VAS-12150D1691 | 89.0% | >0.9 | 200-240V | 12V | 12.5A | 202.0*67.2*34.0 | CE(LVD+EMC)+SAA |
| 150W | VAS-24150D1691 | 89.0% | >0.9 | 200-240V | 24V | 6.25A | 202.0*67.2*34.0 | CE(LVD+EMC)+SAA |
| 200W | VAS-12200D1692 | 89.5% | >0.9 | 200-240V | 12V | 16.7A | 222.0*67.2*34.0 | CE(LVD+EMC)+SAA |
| 200W | VAS-24200D1692 | 89.5% | >0.9 | 200-240V | 24V | 8.34A | 222.0*67.2*34.0 | CE(LVD+EMC)+SAA |
| 275W | VAS-12275D1453 | 90.0% | >0.9 | 200-240V | 12V | 22.9A | 260.0*95.0*43.0 | CE(LVD+EMC)+SAA |
| 300W | VAS-24300D1453 | 90.0% | >0.9 | 200-240V | 24V | 12.5A | 260.0*95.0*43.0 | CE(LVD+EMC)+SAA |
| 150W | VAS-12150U0063 | 89.0% | >0.9 | 200-240V | 12V | 12.5A | 194.0*67.0*35.0 | CE(LVD+EMC)+SAA |
| 150W | VAS-24150U0063 | 89.0% | >0.9 | 200-240V | 24V | 6.25A | 194.0*67.0*35.0 | CE(LVD+EMC)+SAA |
| 30W | VAS-12030U0021 | 85.0% | >0.9 | 200-240V | 12V | 2.5A | 195.0*35.0*24.0 | CE(LVD+EMC) |
| 30W | VAS-24030U0021 | 86.0% | >0.9 | 200-240V | 24V | 1.25A | 195.0*35.0*24.0 | CE(LVD+EMC) |
| 40W | VAS-12040U0021 | 84.5% | >0.9 | 200-240V | 12V | 3.34A | 195.0*35.0*24.0 | CE(LVD+EMC) |
| 40W | VAS-24040U0021 | 85.5% | >0.9 | 200-240V | 24V | 1.67A | 195.0*35.0*24.0 | CE(LVD+EMC) |
| 60W | VAS-24060U0041 | 88.5% | >0.9 | 200-240V | 24V | 2.50A | 189.0*42.0*32.0 | CE(LVD+EMC) |
| 300W | VAS-24300U0081 | 90.0% | >0.9 | 200-240V | 24V | 12.5A | 269.0*80.0*43.0 | CE(LVD+EMC) |



## 产品特点 FEATURES

VF系列

恒压输出设计;
Constant Voltage;

全电压输入:100-277Vac;
Full Voltage Input:100-277Vac;

内置全方位保护:过压保护、过流保护、过温保护、短路保护等;
Protections: Over-voltage, Over-Current, Over-temperature, Short-circuit, ect;

工作温度范围:-25℃-+60℃,60℃需降额使用;
Working temperature: -25°C-+60°C, must be derating use when 60°C;

整机典型效率高达89.5%;
Typical efficiency up to 89.5%;

防水等级IP67,适合干燥、潮湿、淋雨环境;
IP67 Waterproof, suitable for Dry, Wet, Rain environment;

采用航空级铝材金属外壳;
Aviation class Metal Case;

2年/3年/5年质保期。
2/3/5 years warranty time.



产品规格书
Product Specifications

## 产品认证 PRODUCT CERTIFICATIONS

CE c UL us E341271 c UL us E508596 c UL us LISTED CB RoHS SELV IP67

## 产品参数 PRODUCT PARAMETERS

| 功率 Power | 型号 Item NO. | 典型效率 Efficiency | 功率因数 PFC | 输入电压 Input Voltage | 输出电压 Output Voltage | 输出电流 Output Current | 产品尺寸 Dimension LxWxH(mm) | 认证 Certificate |
|---|---|---|---|---|---|---|---|---|
| 10W | VF-12010D0963 | 83.5% | >0.5 | 100-277V | 12V | 0.83A | 118.0*25.5*26.5 | CE(LVD)+UL+Class 2 |
| 10W | VF-24010D0963 | 83.5% | >0.5 | 100-277V | 24V | 0.42A | 118.0*25.5*26.5 | CE(LVD)+UL+Class 2 |
| 15W | VF-12015D0961 | 85.0% | >0.5 | 100-277V | 12V | 1.25A | 148.0*25.5*26.5 | CE(LVD)+UL+Class 2 +ATEX |
| 15W | VF-24015D0961 | 85.0% | >0.5 | 100-277V | 24V | 0.63A | 148.0*25.5*26.5 | CE(LVD)+UL+Class 2 |
| 20W | VF-12020D0960 | 85.5% | >0.5 | 100-277V | 12V | 1.67A | 162.0*25.5*26.5 | CE(LVD)+UL+Class 2 |
| 20W | VF-24020D0960 | 85.5% | >0.5 | 100-277V | 24V | 0.83A | 162.0*25.5*26.5 | CE(LVD)+UL+Class 2 +CB |
| 30W | VF-12030D1300 | 85.5% | >0.5 | 100-277V | 12V | 2.50A | 135.7*45.0*26.9 | CE(LVD)+UL+Class 2 +ATEX |
| 30W | VF-24030D1300 | 85.5% | >0.5 | 100-277V | 24V | 1.25A | 135.7*45.0*26.9 | CE(LVD)+UL+Class 2 |
| 40W | VF-12040D1310 | 88.0% | >0.5 | 100-277V | 12V | 3.34A | 143.7*47.0*33.8 | CE(LVD)+UL+Class 2 +ATEX |
| 40W | VF-24040D1310 | 88.0% | >0.5 | 100-277V | 24V | 1.67A | 143.7*47.0*33.8 | CE(LVD)+UL+Class 2 |
| 60W | VF-12060D1310 | 88.0% | >0.5 | 100-277V | 12V | 5.00A | 143.7*47.0*33.8 | CE(LVD)+UL+Class 2 +ATEX+CB |
| 60W | VF-24060D1310 | 88.0% | >0.5 | 100-277V | 24V | 2.50A | 143.7*47.0*33.8 | CE(LVD)+UL+Class 2 |
| 100W | VF-12100D0242 | 88.0% | >0.5 | 100-277V | 12V | 8.34A | 206.0*67.5*43.0 | CE(LVD)+UL |
| 100W | VF-24100D0242 | 88.0% | >0.5 | 100-277V | 24V | 4.17A | 206.0*67.5*43.0 | CE(LVD)+UL+Class 2 |
| 150W | VF-12150D0877 | 89.0% | >0.5 | 100-277V | 12V | 12.5A | 226.0*67.5*43.0 | CE(LVD)+UL |
| 150W | VF-24150D0877 | 89.0% | >0.5 | 100-277V | 24V | 6.25A | 226.0*67.5*43.0 | CE(LVD)+UL |
| 200W | VF-12200D1451 | 89.5% | >0.5 | 100-277V | 12V | 16.7A | 245.0*95.0*43.0 | CE(LVD)+UL |
| 200W | VF-24200D1451 | 89.5% | >0.5 | 100-277V | 24V | 8.34A | 245.0*95.0*43.0 | CE(LVD)+UL |



## 产品特点 FEATURES

VFC系列

恒压输出设计;
Constant Voltage;

全电压输入:100-277Vac;
Full Voltage Input:100-277Vac;

内置全方位保护:过压保护、过流保护、过温保护、短路保护等;
Protections: Over-voltage, Over-Current, Over-temperature, Short-circuit, ect;

工作温度范围:-25°C-+60°C,60°C需降额使用;
Working temperature: -25°C-+60°C, must be derating use when 60°C;

整机典型效率高达90.0%;
Typical efficiency up to 90.0%;

防水等级IP67,适合干燥、潮湿、淋雨环境;
IP67 Waterproof, suitable for Dry, Wet, Rain environment;

采用航空级铝材金属外壳;
Aviation class Metal Case;

2年/3年/5年质保期。
2/3/5 years warranty time.



产品规格书
Product Specifications

## 产品认证 PRODUCT CERTIFICATIONS

E341271 E508596 LISTED SELV IP67

## 产品参数 PRODUCT PARAMETERS

| 功率 Power | 型号 Item NO. | 典型效率 Efficiency | 功率因数 PFC | 输入电压 Input Voltage | 输出电压 Output Voltage | 输出电流 Output Current | 产品尺寸 Dimension LxWxH(mm) | 认证 Certificate |
|---|---|---|---|---|---|---|---|---|
| 10W | VFC-12010D0963 | 82.0% | >0.5 | 100-277V | 12V | 0.83A | 118.0*25.5*26.5 | CE(LVD)+UL+Class 2 +FCC Class A |
| 10W | VFC-24010D0963 | 83.0% | >0.5 | 100-277V | 24V | 0.42A | 118.0*25.5*26.5 | CE(LVD)+UL+Class 2 +FCC Class A |
| 15W | VFC-12015D0961 | 85.0% | >0.5 | 100-277V | 12V | 1.25A | 148.0*25.5*26.5 | CE(LVD)+UL+Class 2 +FCC+ATEX |
| 15W | VFC-24015D0961 | 85.0% | >0.5 | 100-277V | 24V | 0.63A | 148.0*25.5*26.5 | CE(LVD)+UL+Class 2 +FCC |
| 20W | VFC-12020D0960 | 85.5% | >0.5 | 100-277V | 12V | 1.67A | 162.0*25.5*26.5 | CE(LVD)+UL+Class 2 +FCC |
| 20W | VFC-24020D0960 | 85.5% | >0.5 | 100-277V | 24V | 0.83A | 162.0*25.5*26.5 | CE(LVD)+UL+Class 2 +FCC+CB |
| 30W | VFC-12030U0022 | 87.5% | >0.5 | 100-277V | 12V | 2.50A | 147.0*35.0*24.0 | CE(LVD)+UL+Class 2 +FCC Class A |
| 30W | VFC-24030U0022 | 88.0% | >0.5 | 100-277V | 24V | 1.25A | 147.0*35.0*24.0 | CE(LVD)+UL+Class 2 +FCC Class A |
| 40W | VFC-12040U0022 | 88.0% | >0.5 | 100-277V | 12V | 3.34A | 147.0*35.0*24.0 | CE(LVD)+UL+Class 2 +FCC Class A |
| 40W | VFC-24040U0022 | 88.0% | >0.5 | 100-277V | 24V | 1.67A | 147.0*35.0*24.0 | CE(LVD)+UL+Class 2 +FCC Class A |
| 60W | VFC-12060U0044 | 90.0% | >0.5 | 100-277V | 12V | 5.00A | 137.0*42.0*32.0 | CE(LVD)+UL+Class 2 +FCC Class A |
| 60W | VFC-24060U0044 | 90.0% | >0.5 | 100-277V | 24V | 2.50A | 137.0*42.0*32.0 | CE(LVD)+UL+Class 2 +FCC Class A |
| 100W | VFC-12100U0061 | 88.0% | >0.5 | 100-277V | 12V | 8.34A | 174.0*67.0*35.0 | CE(LVD)+UL+FCC |
| 96W | VFC-24100U0061 | 90.0% | >0.5 | 100-277V | 24V | 4.00A | 174.0*67.0*35.0 | CE(LVD)+UL+Class 2 +FCC Class A |
| 150W | VFC-12150U0062 | 89.0% | >0.5 | 100-277V | 12V | 12.50A | 214.0*67.0*35.0 | CE(LVD)+UL+FCC |
| 150W | VFC-24150U0062 | 89.0% | >0.5 | 100-277V | 24V | 6.25A | 214.0*67.0*35.0 | CE(LVD)+UL+FCC |
| 200W | VFC-12200U0064 | 89.5% | >0.5 | 100-277V | 12V | 16.70A | 269.0*67.0*35.0 | CE(LVD)+UL+FCC |
| 200W | VFC-24200U0064 | 89.5% | >0.5 | 100-277V | 24V | 8.34A | 269.0*67.0*35.0 | CE(LVD)+UL+FCC |



## 产品特点 FEATURES　　VFX/VFCX/VFSX 系列

恒压输出设计;
Constant Voltage;

全电压输入:100-277Vac;
Full Voltage Input:100-277Vac;

内置全方位保护:过压保护、过流保护、过温保护、短路保护等;
Protections: Over-voltage, Over-Current, Over-temperature, Short-circuit, ect;

工作温度范围:-25°C-+60°C,60°C需降额使用;
Working temperature: -25°C-+60°C, must be derating use when 60°C;

整机典型效率高达93.0%;
Typical efficiency up to 93.0%;

防水等级IP67,适合干燥、潮湿、淋雨环境;
IP67 Waterproof, suitable for Dry, Wet, Rain environment;

采用航空级铝材金属外壳;
Aviation class Metal Case;

2年/3年/5年质保期;
2/3/5 years warranty time;

Class 2设计。
Class 2 power unit.



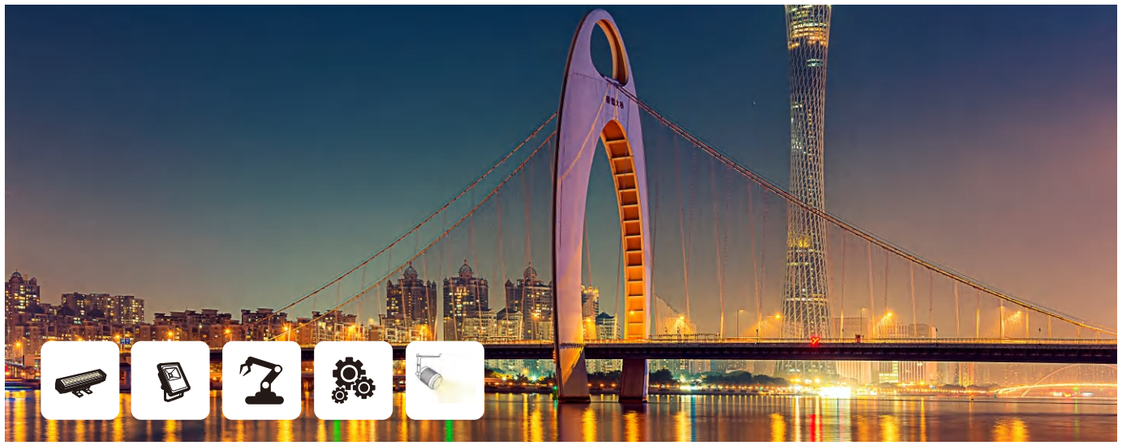
产品规格书
Product Specifications

## 产品认证 PRODUCT CERTIFICATIONS

CE　cULus E341271　cULus E508596　cULus LISTED　FC　RoHS　SELV　IP67

## 产品参数 PRODUCT PARAMETERS

| 功率 Power | 型号 Item NO. | 典型效率 Efficiency | 功率因数 PFC | 输入电压 Input Voltage | 输出电压 Output Voltage | 输出电流 Output Current | 产品尺寸 Dimension LxWxH(mm) | 认证 Certificate |
|---|---|---|---|---|---|---|---|---|
| 120W | VFX-12120D1440 | 88.0% | >0.5 | 100-277V | 12V | 5.00A*2 | 247.0*69.5*40.8 | CE(LVD)+UL+Class 2 |
| 200W | VFX-24200D0878 | 88.0% | >0.5 | 100-277V | 24V | 4.00A*2 | 275.0*67.5*43.0 | CE(LVD)+UL+Class 2 |
| 120W | VFCX-12120U0063 | 88.0% | >0.5 | 100-277V | 12V | 5.00A*2 | 194.0*67.0*35.0 | CE(LVD)+UL+Class 2 +FCC |
| 192W | VFCX-24200U0064 | 88.0% | >0.5 | 100-277V | 24V | 4.00A*2 | 269.0*67.0*35.0 | CE(LVD)+UL+Class 2 |
| 120W | VFSX-12120U0063 | 89.5% | >0.9 | 100-277V | 12V | 5.00A*2 | 194.0*67.0*35.0 | CE(LVD+EMC)+FCC +UL+Class 2 |
| 180W | VFSX-12180U0064 | 90.0% | >0.9 | 100-277V | 12V | 5.00A*3 | 269.0*67.0*35.0 | CE(LVD+EMC)+FCC +UL+Class 2 |
| 200W | VFSX-24200U0064 | 91.0% | >0.9 | 100-277V | 24V | 4.00A*2 | 269.0*67.0*35.0 | CE(LVD+EMC)+FCC +UL+Class 2 |
| 240W | VFSX-12240U0065 | 90.5% | >0.9 | 100-277V | 12V | 5.00A*4 | 309.0*67.0*35.0 | CE(LVD+EMC)+FCC +UL+Class 2 |
| 288W | VFSX-24288U0065 | 93.0% | >0.9 | 100-277V | 24V | 4.00A*3 | 309.0*67.0*35.0 | CE(LVD+EMC)+FCC +UL+Class 2 |



## 产品特点 FEATURES　　VFS 系列

恒压输出设计;
Constant Voltage;

全电压输入:100-277Vac;
Full Voltage Input:100-277Vac;

内置全方位保护:过压保护、过流保护、过温保护、短路保护等;
Protections: Over-voltage, Over-Current, Over-temperature, Short-circuit, ect;

具有防雷保护功能;
Lightning protection;

工作温度范围:-40℃-+60℃,60℃需降额使用;
Working temperature: -25℃-+60℃, must be derating use when 60℃;

整机典型效率高达92.5%;
Typical efficiency up to 92.5%;

防水等级IP67,适合干燥、潮湿、淋雨环境;
IP67 Waterproof, suitable for Dry, Wet, Rain environment;

采用航空级铝材金属外壳;
Aviation class Metal Case;

2年/3年/5年质保期。
2/3/5 years warranty time.



产品规格书
Product Specifications

## 产品认证 PRODUCT CERTIFICATIONS

CE　cULus E341271　FC　RoHS　SELV　IP67

## 产品参数 PRODUCT PARAMETERS

| 功率 Power | 型号 Item NO. | 典型效率 Efficiency | 功率因数 PFC | 输入电压 Input Voltage | 输出电压 Output Voltage | 输出电流 Output Current | 产品尺寸 Dimension LxWxH(mm) | 认证 Certificate |
|---|---|---|---|---|---|---|---|---|
| 60W | VFS-12060U0041 | 89.5% | >0.9 | 100-277V | 12V | 5.00A | 189.0*42.0*32.0 | CE(LVD+EMC)+FCC +UL+Class 2 |
| 60W | VFS-24060U0041 | 88.5% | >0.9 | 100-277V | 24V | 2.50A | 189.0*42.0*32.0 | CE(LVD+EMC)+FCC +UL+Class 2 |
| 100W | VFS-12100U0061 | 89.5% | >0.9 | 100-277V | 12V | 8.34A | 174.0*67.0*35.0 | CE(LVD+EMC)+FCC +UL |
| 96W | VFS-24100U0061 | 89.5% | >0.9 | 100-277V | 24V | 4.00A | 174.0*67.0*35.0 | CE(LVD+EMC)+FCC +UL+Class 2 |
| 150W | VFS-12150U0062 | 90.0% | >0.9 | 100-277V | 12V | 12.50A | 214.0*67.0*35.0 | CE(LVD+EMC)+FCC +UL |
| 150W | VFS-24150U0062 | 90.0% | >0.9 | 100-277V | 24V | 6.25A | 214.0*67.0*35.0 | CE(LVD+EMC)+FCC +UL |
| 200W | VFS-12200U0064 | 90.5% | >0.9 | 100-277V | 12V | 16.70A | 269.0*67.0*35.0 | CE(LVD+EMC)+FCC +UL |
| 200W | VFS-24200U0064 | 91.0% | >0.9 | 100-277V | 24V | 8.34A | 269.0*67.0*35.0 | CE(LVD+EMC)+FCC +UL |
| 275W | VFS-12275U0065 | 91.0% | >0.9 | 100-277V | 12V | 23.00A | 309.0*67.0*35.0 | CE(LVD+EMC)+FCC +UL |
| 300W | VFS-24300U0065 | 92.5% | >0.9 | 100-277V | 24V | 12.50A | 309.0*67.0*35.0 | CE(LVD+EMC)+FCC +UL |



## 产品特点 FEATURES

VFSP 系列

恒压输出设计;
Constant Voltage;

全电压输入:100-277Vac;
Full Voltage Input:100-277Vac;

IP67防护等级,适合干燥、潮湿、淋雨环境;
IP67 Waterproof, suitable for Dry, Wet, Rain environment;

工作温度范围:-40℃~+60℃,60℃需降额使用;
Working temperature: -25℃-+60℃, must be derating use when 60℃;

内置全方位保护:过压保护、过流保护、过温保护、短路保护等;
Protections: Over-voltage, Over-Current, Over-temperature, Short-circuit, ect;

整机典型效率高达89.0%;
Typical efficiency up to 89.0%;

具有0~10/1~10/PWM/potentiometer四合一调光功能;
Available for varieties isolated dimming control(0-10V/1-10V/ PWM/Potentiometer);

具有防雷保护功能;
Lightning protection;

100%满载老化测试;
100% full load aging test;

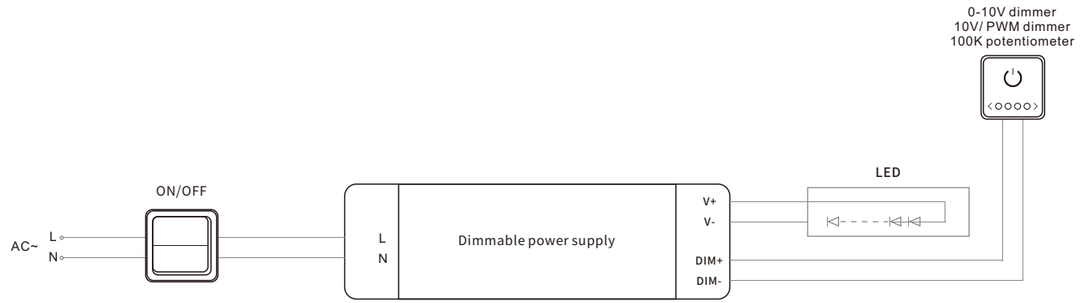
2Y/3Y/5Y质保期。
2/3/5 years warranty time.



产品规格书
Product Specifications

## 产品参数 PRODUCT PARAMETERS

| 功率 Power | 型号 Item NO. | 典型效率 Efficiency | 功率因数 PFC | 输入电压 Input Voltage | 输出电压 Output Voltage | 输出电流 Output Current | 产品尺寸 Dimension LxWxH(mm) | 认证 Certificate |
|---|---|---|---|---|---|---|---|---|
| 60W | VFSP- 12060U0042 | 89.0% | >0.9 | 100-277V | 12V | 5.00A | 222.0*42.0*32.0 | CE(LVD+EMC)+FCC +UL+Class 2 |
| 60W | VFSP- 24060U0042 | 87.0% | >0.9 | 100-277V | 24V | 2.50A | 222.0*42.0*32.0 | CE(LVD+EMC)+FCC +UL+Class 2 |
| 100W | VFSP- 12100U0063 | 88.5% | >0.9 | 100-277V | 12V | 8.34A | 194.0*67.0*35.0 | CE(LVD+EMC)+FCC +UL |
| 100W | VFSP- 24100U0063 | 89.0% | >0.9 | 100-277V | 24V | 4.00A | 194.0*67.0*35.0 | CE(LVD+EMC)+FCC +UL |




## 产品认证 PRODUCT CERTIFICATIONS

SELV IP67