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Tauras 金兴®



2020
LED驱动电源
POWER SUPPLY

中国首家LED防水电源生产商, 始于1998
THE FIRST MANUFACTURER OF LED WATERPROOF POWER SUPPLY IN CHINA, SINCE 1998

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珠海市金兴科技有限公司
Zhuhai Tauras Technologies Co., Ltd
中山市金兴智能技术有限公司
Zhongshan Tauras Technologies Co., Ltd



COMPANY PROFILE 公司简介

珠海市金兴科技有限公司成立于1998年，是从事LED电源研发与生产的专业厂家。经过22年的发展，金兴科技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。目前，公司共有员工400余名，下设珠海公司及中山产业园。LED开关电源的年产量近500万台，用户遍布全国，并远销到全球世界各地，“Taurus金兴”已成为国际化知名品牌。

公司获得了ISO9001:2015质量管理体系标准认证，产品取得了CCC、CE、CB、TUV、EMC、UL、CUL、FCC、SAA、BIS、IP66、IP67、RoHS、REACH、ATEX等多项认证。

Zhuhai Taurus Technologies Co. Ltd. was incorporated in 1998, specializing in LED Power Supply development and manufacturing. After a fast growth, Taurus has grown into a high-tech enterprise with product research and development, manufacturing, sales and service. With 400 employees located at Zhuhai City and Zhongshan Industrial Park, The annual sales quantity reaches 5 million, our users and products are all over the world. "Taurus金兴" is a famous brand with good reputation in the world.

Taurus has been awarded and certified with ISO9001:2015, products have passed CCC、CE、CB、TUV、EMC、UL、CUL、FCC、SAA、BIS、IP66、IP67、RoHS、REACH、ATEX and other certifications.

高新技术企业 证书

企业名称：中山市金兴智能技术有限公司

证书编号：GR201844006455

发证时间：2018年11月28日

有效期：三年

批准机关：



COMPANY CULTURE 企业文化

经营理念 以客户价值为中心
PHILOSOPHY Focus on Customer Value

企业使命 LED照明系统配套电源专业高效解决方案的产品与服务提供商
MISSION Professional solution of LED Power Supply

企业愿景 LED照明的国际化标杆企业，从而让全世界明亮起来
STRATEGY Leading enterprise in LED Power Supply

企业价值观 创造客户价值，创造自我价值
VALUES Creat value for customers, employees

FACTORY EQUIPMENT 工厂设备



▶ SMT 贴片加工
SMT



▶ 自动插件
Plug-in Machine



▶ 波峰焊
Wave-Soldering



▶ 自动灌胶
Auto Filling



▶ 老化房
Aging Facility



▶ 自动包装
Automatic Testing Packaging

CERTIFICATION 资质证书



LED电源机种命名规范 NAMING CONVENTION OF LED POWER SUPPLY

由于LED产品涉及规格和需要描述的事项较多(品牌、功率、电流、外壳、认证、功率因数、产品功能等)因此拟定采用以下规则来对产品型号命名:

Because LED Products Involve More Specifications and Need to be Described (Brand, Power, Current, Housing, Certification, Power, Factor, Product Features, Etc.), the Following Rules are Proposed to Name the Product Model:

L V D S P - 24 060 D 0200

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

第1部分表示LED电源使用场所:

Part 1 standards for the working application of LED Power Supply.

"H"表示室内用; "L"表示路灯电源; "C"表示集成光源电源; "T"表示调光电源;
"P"表示裸板机电源; "R"表示防水电源; "S"表示等频电源; 常规电源无字母表示。

"H" means plastic case indoor use LED Power Supply. "L" means street light use LED Power Supply.
"C" means COB LED Power Supply. "T" means dimmable LED Power Supply.
"P" means open frame LED Power Supply. "R" means rainproof LED Power Supply.
"S" means metal case indoor LED Power Supply.

第2部分表示输入电压范围:

Part 2 shows the input voltage scope.

"A"表示170~264V范围; "B"表示90~135V范围; "D"表示"90~264V"范围;
"E"表示110/220V可选范围; "F"表示90~305V范围; "G"表示185~255V范围; "I"表示直流输入。

"A" means the range of 170-264V. "B" means the range of 90-135V.
"D" means the range of 90-264V. "E" means the option range of 110V/220V.
"F" means the range of 90-305V. "G" means the range of 185-255V. "I" means the DC input.

第3部分表示产品特殊功能:

Part 3 shows the special function.

"P"表示具有PWM, 0-10V及电位器式调光功能; "D"表示具有DALI调光功能;
"K"表示具有调色温功能; "W"表示具有无线调光调色功能; "T"表示具有可控硅调光功能;
"L"恒流机表示具有低纹波抑制功能; 恒压机表示具有低纹波功能; 常规产品则无此部分标识。

"P" means 3 in 1 dimming, includes PWM, 0-10V and potentiometer dimming.
"D" means DALI dimming function. "W" means wireless dimming function.
"T" means TRIAC dimming function. "L" means low ripple & noise for constant current LED power supply, low surge for constant voltage LED power supply. Regular products have no such part.

第4部分表示输出功率或输出电流:

Part 4 shows the output wattage or output current.

恒压机表示输出功率, 例如: "300"表示输出300W; 恒流机表示输出电流, 以 "mA"为单位, 如输出电流在1A以内则用3位表示, 例: JA-80350M, "350"表示输出350mA;
如输出电流大于等于1A时, 利用4位表示, 例: JA-3610000092, "1000"表示输出1000mA。

If it is constant voltage LED power supply, it means the output wattage.
For example: "300" means output with 300W. If it is constant current product, it means output current, in "mA". If the output current is within 1A, it is represented by 3 bits.
For example: JA-80350M, "350" stands for output 350mA; if the output current is over or equal to 1A, it is represented by 4 bits. For example: JA-3610000092, "1000" means output 1000mA.

第5部分表示机壳型号:

Part 5 standards for the case number.

前三位表示截面区分; 第四位表示此截面下的不同长度区分。

The first three digits indicate the cross-sectional area distinction; the fourth digit indicates the different length distinctions under this cross-sectional area.

第1部分表示区分恒压或恒流系列:

Part 2 shows the distinction between constant voltage and constant current series.

"V"表示恒压; "J"表示恒流。

"V" standards for constant voltage. "J" standards for constant current.

第2部分表示电源具备的功能:

Part 4 shows the function of the LED Power Supply.

"S"表示同时具备PFC和EMC; "T"表示只有PFC;
"C"表示只有EMC; 常规电源无字母表示。

"S" means PFC & EMC. "T" means only PFC. "C" means only EMC.
Regular products have no letters here.

第3部分表示输出电压:

Part 6 means the DC output voltage.

恒压机为输出标准电压; 恒流机为输出最高标准电压, 如在100V内, 则只用2位表示。
In constant voltage series, it shows the output standard voltage.
In constant current series, it shows the maximum standard output voltage.
If within 100V, it only uses 2 bits.

第4部分表示机壳:

Part 8 shows the case type.

新开发机型 "A" 表示塑料壳; "D" 表示金属壳。

The newly developed model "A" means a plastic case.
"D" means a metal case.

LED电源机种命名规范 NAMING CONVENTION OF LED POWER SUPPLY

由于LED产品涉及规格和需要描述的事项较多(品牌、功率、电流、外壳、认证、功率因数、产品功能等)因此拟定采用以下规则来对产品型号命名:

Because LED Products Involve More Specifications and Need to be Described (Brand, Power, Current, Housing, Certification, Power, Factor, Product Features, Etc.), the Following Rules are Proposed to Name the Product Model:

R F S - 075 D 036 X

① ② ③ ④ ⑤ ⑥ ⑦

第1部分表示区分电源系列:

"R"表示路灯电源系列; "H"表示工矿灯电源系列; "J"表示常规恒流电源。

Part 1: R means street light LED Power Supply; H means high bay light LED Power Supply;
J means other constant current LED Power Supply.

第2部分表示电源具备的功能:

"S"表示同时具备PFC和EMC; "T"表示只有PFC; "C"表示只有EMC; 常规电源无字母表示。

Part 3, S means EMC & PFC (PF>0.9). F means PFC. C means EMC.

第3部分表示产品应用方案:

S"表示单级电路方案; "D"表示双级电路方案。

Part 5, S means single-stage circuit scheme. D means two-stage circuit scheme.

第4部分表示产品特殊功能:

如: X-N, 表示普通产品; X-H, 表示时控调光; X-T, 表示具有含PWM/0-10V/1-10V的三合一调光;
X-D, 表示具有DALI调光; X-P表示具有程序控制调电流功能等。

Part 7 X-N means normal Power Supply. X-H means time dimming Power Supply.
X-T means 3 in 1 dimmable Power Supply (PWM/0-10V/resistor);
X-D means DALI dimming Power Supply.
X-P means program-controlled current regulation Power Supply.

第2部分表示输入电压范围:

"A"表示170~264V范围; "B"表示90~135V范围; "D"表示"90~264V"范围;
"E"表示170~305V范围; "F"表示90~305V范围。

Part 2, F means scope of input voltage is 90-305Vac. A means input voltage scope is 170-264V.

第4部分表示产品输出功率瓦数:

如: 075表示75W; 120表示120W。

Part 4, it standards for output wattage, i.e. 075 means DC 75W.

第6部分表示输出电压:

恒压机为输出标准电压; 例: 012表示标准输出电压为12V;
恒流机为输出最大负载电压; 例: 036表示最大负载电压为36V;
120表示最大负载电压为120V。

Part 6 means the maximum output voltage, i.e. 036 means the 36Vdc max.

PRODUCT NAVIGATION 产品导航 »

防水电源 Waterproof LED Power Supply

户外景观亮化防水电源

Outdoor Landscape Lighting Waterproof LED Power Supply

■ VA金属壳系列 VA Metal Case Series	p11
■ VAS金属壳系列 VAS Metal Case Series	p13
■ VD金属壳系列 VD Metal Case Series	p15
■ VDC金属壳系列 VDC Metal Case Series	p17
■ VF金属壳系列 VF Metal Case Series	p18

冰箱冷柜照明防水电源

Refrigerator Lighting Waterproof LED Power Supply

■ VFS胶壳系列 VFS Plastic Case Series	p21
■ VD胶壳系列 VD Plastic Case Series	p23
■ VAC胶壳系列 VAC Plastic Case Series	p25
■ VDC胶壳系列 VDC Plastic Case Series	p27

半灌封电源 Semi-filled LED Power Supply

■ HVDC胶壳系列 HVDC Plastic Case Series	p29
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防雨电源/蜂窝电源 Rainproof LED Power Supply/IP20 Switching LED Power Supply

蜂窝电源

IP20 Switching LED Power Supply

■ SVG金属壳系列 SVG Metal Case Series	p32
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防雨电源

Rainproof LED Power Supply

■ RVG金属壳系列 RVG Metal Case Series	p33
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大功率恒流路灯电源 LED Power Supply For Street Lamp

路灯照明恒流防水电源

Constant Current LED Power Supply For Street Lamp

■ RAF金属壳系列 RAF Metal Case Series	p34
■ RAS金属壳系列 RAS Metal Case Series	p35
■ RFS金属壳系列 RFS Metal Case Series	p37

调光电源 Dimmable LED Power Supply

可控硅调光电源

Triac Dimmable LED Power Supply

■ TVACT可控硅调光电源金属壳系列 TVACT Triac Dimmable Metal Case Series	p40
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VA金属壳系列 VA METAL CASE SERIES

应用场所: 投光灯、洗墙灯、线条灯、霓虹灯、点光源、灯箱、模组。
Apply to LED Flood Light, Wall washer, Linear, Neon light, Point Light, Light box, Led module.

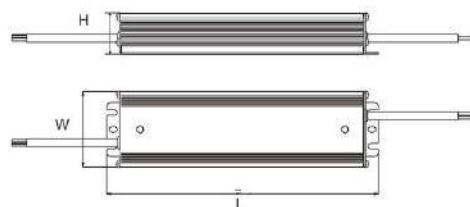
户外景观亮化防水电源 Outdoor Landscape Lighting Waterproof LED Power Supply

LED 驱动电源 成达光电
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产品特点 FEATURES

- ▶ 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.

产品平面图 PRODUCT PLAN



产品参数 PRODUCT PARAMETERS

功率 Power	型号 Item NO.	净重/KG Net Weight	PCS/箱 Pcs/Case	典型效率 Efficiency	功率因素 PFC	输入电压 Input Voltage	输出电压 Output Voltage	输出电流 Output Current	产品尺寸 Dimension L x W x H (mm)	包装尺寸 Packing L x W x H (mm)	认证 Certificate
30W	VA-12030D0952	0.2	50	85.0%	>0.5	200-240V	12V	0-2.5A	182×29×20.5	395×215×180	CE(LVD)+BIS
30W	VA-24030D0952	0.2	50	86.0%	>0.5	200-240V	24V	0-1.25A	182×29×20.5	395×215×180	CE(LVD)+BIS
40W	VA-12040D0920	0.24	50	85.5%	>0.5	200-240V	12V	0-3.34A	148×40.4×22.8	330×240×195	CE(LVD)
40W	VA-24040D0920	0.24	50	86.5%	>0.5	200-240V	24V	0-1.67A	148×40.4×22.8	330×240×195	CE(LVD)
60W	VA-12060D091	0.4	40	86.0%	>0.5	200-240V	12V	0-5A	179×41×31	425×265×190	CE(LVD)+CB
60W	VA-24060D091	0.4	40	89.0%	>0.5	200-240V	24V	0-2.5A	179×41×31	425×265×190	CE(LVD)
80W	VA-12080D091	0.4	40	87.0%	>0.5	200-240V	12V	0-6.67A	179×41×31	425×265×190	CE(LVD)
80W	VA-24080D091	0.4	40	87.5%	>0.5	200-240V	24V	0-3.34A	179×41×31	425×265×190	CE(LVD)
100W	VA-12100D1680	0.68	25	88.5%	>0.5	200-240V	12V	0-8.33A	202×56×30	437×272×185	CE(LVD)+CB
100W	VA-24100D1680	0.68	25	88.5%	>0.5	200-240V	24V	0-4.17A	202×56×30	437×272×185	CE(LVD)+CB
100W	VA-12100D0923	0.55	30	86.0%	>0.5	200-240V	12V	8.33A	298×40.4×22.8	340×280×200	CE(LVD)+SAA+BIS
100W	VA-24100D0923	0.55	30	87.0%	>0.5	200-240V	24V	4.17A	298×40.4×22.8	340×280×200	CE(LVD)+SAA+BIS
150W	VA-12150D1691	0.85	14	90.0%	>0.5	200-240V	12V	0-12.5A	202×67.2×34	437×272×185	CE(LVD)+CB
150W	VA-24150D1691	0.85	14	90.0%	>0.5	200-240V	24V	0-6.25A	202×67.2×34	437×272×185	CE(LVD)+CB
200W	VA-12200D1690	1.02	14	90.0%	>0.5	200-240V	12V	0-16.7A	235×67.2×34	437×272×185	CE(LVD)+CB
200W	VA-24200D1690	1.02	14	90.0%	>0.5	200-240V	24V	0-8.33A	235×67.2×34	437×272×185	CE(LVD)+CB
250W	VA-12250D1630	1.5	10	90.0%	>0.5	200-240V	12V	20.84A	280×78×36.4	346×315×200	CE(LVD)
250W	VA-24250D1630	1.5	10	90.0%	>0.5	200-240V	24V	10.42A	280×78×36.4	346×315×200	CE(LVD)
275W	VA-12275D1630	1.5	10	90.0%	>0.5	200-240V	12V	0-22.9A	280×78×36.4	346×315×200	CE(LVD)+CB
300W	VA-24300D1630	1.5	10	90.0%	>0.5	200-240V	24V	0-12.5A	280×78×36.4	346×315×200	CE(LVD)+CB

应用情景 APPLICATION SCENARIO



VAS金属壳系列 VAS METAL CASE SERIES

应用场所: 投光灯、洗墙灯、线条灯、霓虹灯、点光源、灯箱、模组。
Apply to LED Flood Light, Wall washer, Linear, Neon light, Point Light, Light box, Led module.

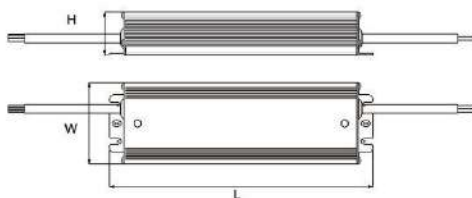
户外景观亮化防水电源 Outdoor Landscape Lighting Waterproof LED Power Supply

LED 驱动电源 成心光电
POWER SUPPLY www.tauras.com.cn

产品特点 FEATURES

- 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°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91%;
Typical efficiency up to 91%;
- 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.

产品平面图 PRODUCT PLAN



产品参数 PRODUCT PARAMETERS

功率 Power	型号 Item NO.	重量/KG Net Weight	PCS/箱 Pcs/Case	典型效率 Efficiency	功率因素 PFC	输入电压 Input Voltage	输出电压 Output Voltage	输出电流 Output Current	产品尺寸 Dimension L x W x H (mm)	包装尺寸 Packing L x W x H (mm)	认证 Certificate
30W	VAS-12030D0185	0.35	50	83.5%	>0.9	200-240V	12V	0-2.5A	217×36.5×27	325×260×270	CE(LVD+EMC)+SAA
30W	VAS-24030D0185	0.35	50	84.5%	>0.9	200-240V	24V	0-1.25A	217×36.5×27	325×260×270	CE(LVD+EMC)+SAA
40W	VAS-12040D0185	0.35	50	84.5%	>0.9	200-240V	12V	0-3.33A	217×36.5×27	325×260×270	CE(LVD+EMC)+SAA
40W	VAS-24040D0185	0.35	50	85.0%	>0.9	200-240V	24V	0-1.67A	217×36.5×27	325×260×270	CE(LVD+EMC)+SAA
60W	VAS-12060D1510	0.41	40	85.0%	>0.9	200-240V	12V	0-5A	253×40.4×22.8	340×280×200	CE(LVD+EMC)
60W	VAS-24060D1510	0.41	40	86.0%	>0.9	200-240V	24V	0-2.5A	253×40.4×22.8	340×280×200	CE(LVD+EMC)
60W	VAS-12060D1681	0.65	25	86.0%	>0.9	200-240V	12V	0-5A	182×56×30	437×272×185	CE(LVD+EMC)+SAA
60W	VAS-24060D1681	0.65	25	87.0%	>0.9	200-240V	24V	0-2.5A	182×56×30	437×272×185	CE(LVD+EMC)+SAA
60W	VAS-12060D0922	0.41	40	85.0%	>0.9	200-240V	12V	0-5A	253×40.4×22.8	340×280×200	CE(LVD+EMC)+SAA
60W	VAS-24060D0922	0.41	40	86.0%	>0.9	200-240V	24V	0-2.5A	253×40.4×22.8	340×280×200	CE(LVD+EMC)+SAA
95W	VAS-12100D1511	0.55	30	86.0%	>0.9	200-240V	12V	0-7.9A	298×40.4×22.8	340×280×200	CE(LVD+EMC)
100W	VAS-24100D1511	0.55	30	87.0%	>0.9	200-240V	24V	0-4.16A	298×40.4×22.8	340×280×200	CE(LVD+EMC)
100W	VAS-12100D1682	0.75	25	88.0%	>0.9	200-240V	12V	0-8.34A	212×56×30	437×272×185	CE(LVD+EMC)+SAA
100W	VAS-24100D1682	0.75	25	88.0%	>0.9	200-240V	24V	0-4.17A	212×56×30	437×272×185	CE(LVD+EMC)+SAA
150W	VAS-12150D1690	1.05	14	88.5%	>0.9	200-240V	12V	0-12.5A	235×67.2×34	437×272×185	CE(LVD+EMC)+SAA
150W	VAS-24150D1690	1.05	14	88.5%	>0.9	200-240V	24V	0-6.25A	235×67.2×34	437×272×185	CE(LVD+EMC)+SAA
200W	VAS-12200D0873	1.2	10	89.5%	>0.9	200-240V	12V	0-16.6A	247×67.5×44.8	320×295×195	CE(LVD+EMC)+SAA
200W	VAS-24200D0873	1.2	10	90.5%	>0.9	200-240V	24V	0-8.34A	247×67.5×44.8	320×295×195	CE(LVD+EMC)+SAA
250W	VAS-12250D1452	1.8	8	89.5%	>0.9	200-240V	12V	0-20.83A	235×95×43	340×305×292	CE(LVD+EMC)+SAA
250W	VAS-24250D1452	1.8	8	91.0%	>0.9	200-240V	24V	0-10.4A	235×95×43	340×305×292	CE(LVD+EMC)+SAA
275W	VAS-12275D1453	2.0	8	90.0%	>0.9	200-240V	12V	0-23A	260×95×43	340×305×292	CE(LVD+EMC)+SAA
300W	VAS-24300D1453	2.0	8	91.0%	>0.9	200-240V	24V	0-12.5A	260×95×43	340×305×292	CE(LVD+EMC)+SAA

应用场景 APPLICATION SCENARIO



VD金属壳系列 VD METAL CASE SERIES

应用场所: 投光灯、洗墙灯、线条灯、霓虹灯、点光源、灯箱、模组。
Apply to LED Flood Light, Wall washer, Linear, Neon light, Point Light, Light box, Led module.

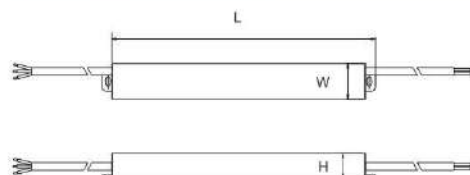
户外景观亮化防水电源 Outdoor Landscape Lighting Waterproof LED Power Supply

LED 驱动电源 威仕达电源
POWER SUPPLY www.tauros.com.cn

产品特点 FEATURES

- ▶ 恒压输出设计;
Constant Voltage;
- ▶ 宽电压输入:100-240Vac;
Wide Input Voltage: 100-240Vac;
- ▶ 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年质保期。
2/3 years warranty time.

产品平面图 PRODUCT PLAN



产品参数 PRODUCT PARAMETERS

功率 Power	型号 Item NO.	净重/KG Net Weight	PCS/箱 Pcs/Case	典型效率 Efficiency	功率因素 PFC	输入电压 Input Voltage	输出电压 Output Voltage	输出电流 Output Current	产品尺寸 Dimension L×W×H (mm)	包装尺寸 Packing L×W×H (mm)	认证 Certificate
5W	VD-1200500964	0.11	50	79.0%	>0.5	100-240V	12V	0-0.42A	108×25.5×27.5	275×255×165	CE(LVD)
5W	VD-2400500964	0.11	50	79.5%	>0.5	100-240V	24V	0-0.21A	108×25.5×27.5	275×255×165	CE(LVD)
10W	VD-1201000954	0.12	100	80.0%	>0.5	100-240V	12V	0-0.83A	109×29×20.5	395×290×200	CE(LVD)+SAA
10W	VD-2401000954	0.12	100	81.0%	>0.5	100-240V	24V	0-0.42A	109×29×20.5	395×290×200	CE(LVD)+SAA
15W	VD-1201500954	0.12	100	82.5%	>0.5	100-240V	12V	0-1.25A	109×29×20.5	395×290×200	CE(LVD)+SAA+BIS
15W	VD-2401500954	0.12	100	84.0%	>0.5	100-240V	24V	0-0.63A	109×29×20.5	395×290×200	CE(LVD)+SAA+BIS
30W	VD-1203000952	0.21	50	84.0%	>0.5	100-240V	12V	0-2.5A	182×29×20.5	395×215×180	CE(LVD)+SAA
30W	VD-2403000952	0.21	50	86.5%	>0.5	100-240V	24V	0-1.25A	182×29×20.5	395×215×180	CE(LVD)+SAA
40W	VD-1204000890	0.34	50	87.0%	>0.5	100-240V	12V	0-3.33A	157×41×31	395×290×200	CE(LVD)+CB
40W	VD-2404000890	0.34	50	88.0%	>0.5	100-240V	24V	0-1.67A	157×41×31	395×290×200	CE(LVD)
150W	VD-1215000243	1.4	10	88.0%	>0.5	100-240V	12V	0-12.5A	260×67.5×44.8	346×315×200	CE(LVD)+UL
150W	VD-2415000243	1.4	10	90.0%	>0.5	100-240V	24V	0-6.25A	260×67.5×44.8	346×315×200	CE(LVD)+UL
200W	VD-1220000710	1.9	8	88.0%	>0.5	100-240V	12V	0-16.7A	247×95×50	340×305×292	CE(LVD)+UL
200W	VD-2420000710	1.9	8	90.0%	>0.5	100-240V	24V	0-8.34A	247×95×50	340×305×292	CE(LVD)+UL

应用场景 APPLICATION SCENARIO



VDC金属壳系列 VDC METAL CASE SERIES

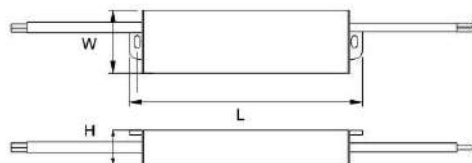
应用场所: 投光灯、洗墙灯、线条灯、霓虹灯、点光源、灯箱、模组。
Apply to LED Flood Light, Wall washer, Linear, Neon light, Point Light, Light box, Led module.

户外景观亮化防水电源 Outdoor Landscape Lighting Waterproof LED Power Supply

产品特点 FEATURES

- ▶ 恒压输出设计;
Constant Voltage;
- ▶ 宽电压输入: 100-240Vac;
Wide Input Voltage: 100-240Vac;
- ▶ 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88.0%;
Typical efficiency up to 88.0%;
- ▶ 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年质保期。
2/3 years warranty time.

产品平面图 PRODUCT PLAN



产品参数 PRODUCT PARAMETERS

功率 Power	型号 Item NO.	净重/KG Net Weight	PCS/箱 Pcs/Case	典型效率 Efficiency	功率因素 PFC	输入电压 Input Voltage	输出电压 Output Voltage	输出电流 Output Current	产品尺寸 Dimension (L×W×H mm)	包装尺寸 Packing (L×W×H mm)	认证 Certificate
30W	VDC-12030D0920	0.24	50	84.0%	>0.5	100-240V	12V	0-2.5A	148×40.4×22.8	415×325×205	CE(LVD+EMC)+SAA
30W	VDC-24030D0920	0.24	50	85.0%	>0.5	100-240V	24V	0-1.25A	148×40.4×22.8	415×325×205	CE(LVD+EMC)+SAA
60W	VDC-12060D0891	0.4	40	87.0%	>0.5	100-240V	12V	0-5A	179×41×31	425×265×190	CE(LVD+EMC)+SAA
60W	VDC-24060D0891	0.4	40	88.0%	>0.5	100-240V	24V	0-2.5A	179×41×31	425×265×190	CE(LVD+EMC)+SAA
100W	VDC-12100D0874	1	10	87.0%	>0.5	100-240V	12V	0-8.33A	210×67.5×44.8	320×245×200	CE(LVD+EMC)+SAA
100W	VDC-24100D0874	1	10	88.0%	>0.5	100-240V	24V	0-4.17A	210×67.5×44.8	320×245×200	CE(LVD+EMC)+SAA

VF金属壳系列 VF METAL CASE SERIES

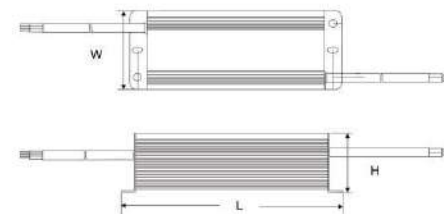
应用场所: 投光灯、洗墙灯、线条灯、霓虹灯、点光源、灯箱、模组。
Apply to LED Flood Light, Wall washer, Linear, Neon light, Point Light, Light box, Led module.

户外景观亮化防水电源 Outdoor Landscape Lighting Waterproof LED Power Supply

产品特点 FEATURES

- ▶ 恒压输出设计;
Constant Voltage;
- ▶ 宽电压输入: 100-277Vac;
Wide Input Voltage: 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88.5%;
Typical efficiency up to 88.5%;
- ▶ 防水等级IP67, 适合干燥、潮湿、淋雨及多水环境;
IP67 Waterproof, suitable for Dry, Wet, in the Rain and a watery environment;
- ▶ 采用航空级铝材金属外壳;
Aviation grade Metal Case;
- ▶ 2年/3年/5年质保期。
2/3/5 years warranty time.

产品平面图 PRODUCT PLAN

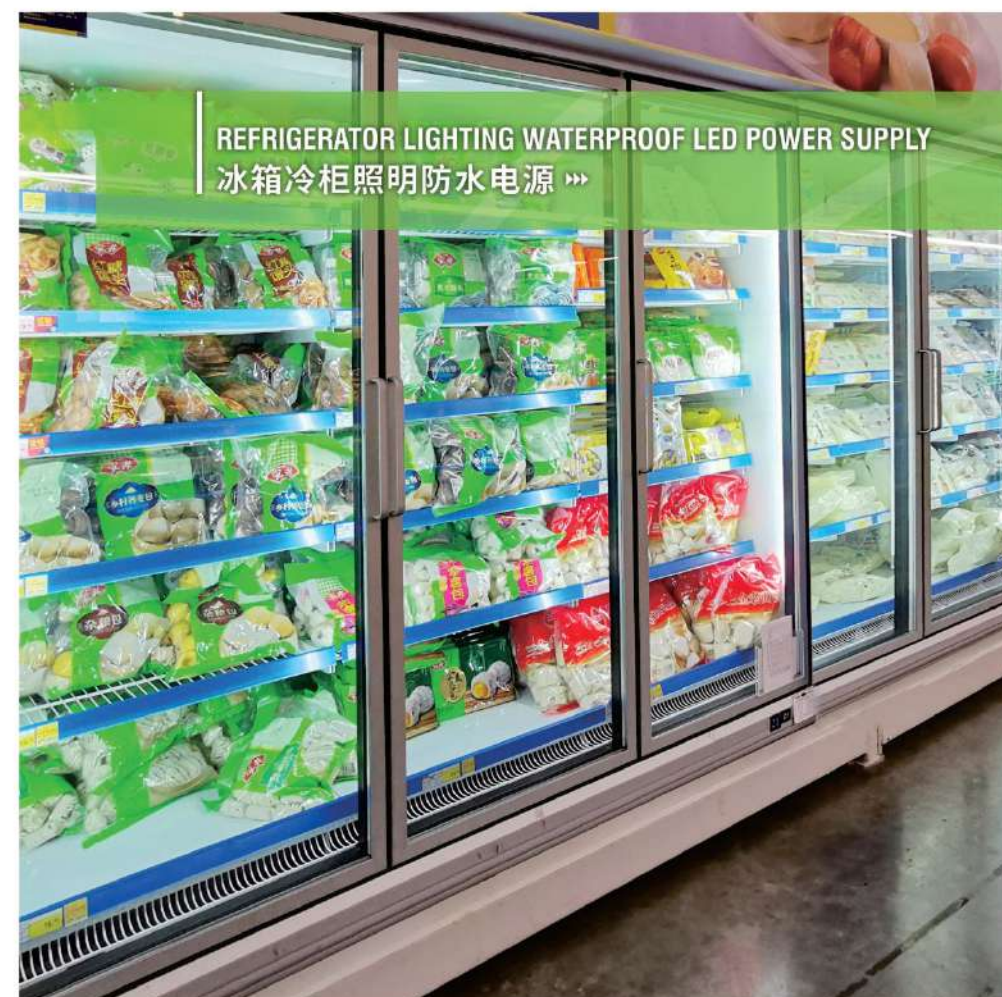


应用场景 APPLICATION SCENARIO



产品参数 PRODUCT PARAMETERS

功率 Power	型号 Item NO.	净重/KG Net weight	PCS/箱 Pcs/Case	典型效率 Efficiency	功率因素 PFC	输入电压 Input Voltage	输出电压 Output Voltage	输出电流 Output Current	产品尺寸 Dimension L x W x H (mm)	包装尺寸 Packing L x W x H (mm)	认证 Certificate
10W	VF-12010D0963	0.14	50	82.0%	>0.5	100-277V	12V	0-0.83A	118×25.5×27.5	275×255×165	CE(EVQ)=UL+CLASS 2
10W	VF-24010D0963	0.14	50	83.5%	>0.5	100-277V	24V	0-0.42A	118×25.5×27.5	275×255×165	CE(EVQ)=UL+CLASS 2
15W	VF-12015D0961	0.185	50	83.0%	>0.5	100-277V	12V	0-1.25A	148×25.5×27.5	395×215×180	CE(EVQ)=UL+CLASS 2+ATEX
15W	VF-24015D0961	0.185	50	85.0%	>0.5	100-277V	24V	0-0.63A	148×25.5×27.5	395×215×180	CE(EVQ)=UL+CLASS 2
20W	VF-12020D0960	0.2	50	83.0%	>0.5	100-277V	12V	0-1.67A	162×25.5×27.5	395×215×180	CE(EVQ)=UL+CLASS 2
20W	VF-24020D0960	0.2	50	85.5%	>0.5	100-277V	24V	0-0.83A	162×25.5×27.5	395×215×180	CE(EVQ)=UL+CLASS 2
30W	VF-12030D1300	0.27	50	84.0%	>0.5	100-277V	12V	0-2.5A	136×45×27.5	375×363×190	CE(EVQ)=UL+CLASS 2+ATEX
30W	VF-24030D1300	0.27	50	85.5%	>0.5	100-277V	24V	0-1.25A	136×45×27.5	375×363×190	CE(EVQ)=UL+CLASS 2
40W	VF-12040D1310	0.35	50	87.5%	>0.5	100-277V	12V	0-3.34A	144×47×34	415×325×205	CE(EVQ)=UL+CLASS 2+ATEX
40W	VF-24040D1310	0.35	50	88.0%	>0.5	100-277V	24V	0-1.67A	144×47×34	415×325×205	CE(EVQ)=UL+CLASS 2
60W	VF-12060D1310	0.35	50	87.0%	>0.5	100-277V	12V	0-5A	144×47×34	415×325×205	CE(EVQ)=UL+CLASS 2+REPEB
60W	VF-24060D1310	0.35	50	88.0%	>0.5	100-277V	24V	0-2.5A	144×47×34	415×325×205	CE(EVQ)=UL+CLASS 2
96W	VF-12100D1570	0.65	20	88.5%	>0.5	100-277V	12V	0-8A	292×48×23.5	335×270×180	UL
96W	VF-24100D1570	0.65	20	88.5%	>0.5	100-277V	24V	0-4A	292×48×23.5	335×270×180	UL+CLASS 2

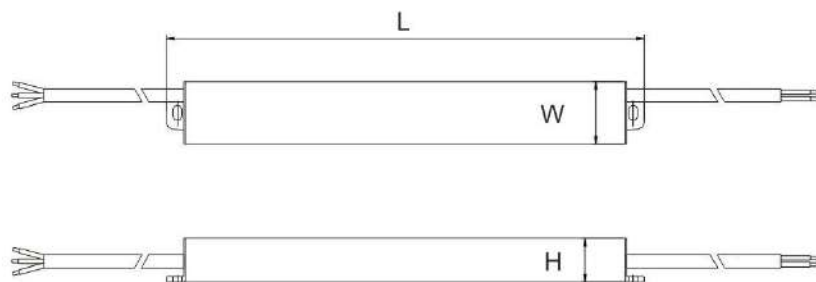




产品特点 FEATURES

- ▶ 恒压输出设计;
Constant Voltage;
- ▶ 宽电压输入: 100-277Vac;
Wide Input Voltage: 100-277Vac;
- ▶ 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°C~+40°C;
Working temperature: -25°C~+40°C;
- ▶ 整机典型效率高达88%;
Typical efficiency up to 88%;
- ▶ 防水等级IP67, 适合潮湿多尘的环境;
IP67 Waterproof, suitable for wet or dusty environment;
- ▶ 2年/3年/5年/10年质保期。
2/3/5/10 years warranty time.

产品平面图 PRODUCT PLAN



产品参数 PRODUCT PARAMETERS

功率 Power	型号 Item NO.	净重/KG Net Weight	PCS/箱 Pcs/Case	典型效率 Efficiency	功率因素 PFC	输入电压 Input Voltage	输出电压 Output Voltage	输出电流 Output Current	产品尺寸 Dimension L x W x H (mm)	包装尺寸 Packing L x W x H (mm)	认证 Certificate
15W	VFS-12015A0690	0.23	50	81.0%	>0.9	100-277V	12V	0-1.25A	136.5×41×25.5	363×315×155	CE(LVD+EMC)+UL+ CLASS 2+FCC+CB
15W	VFS-24015A0690	0.23	50	82.0%	>0.9	100-277V	24V	0-0.625A	136.5×41×25.5	363×315×155	CE(LVD+EMC)+UL+CLASS 2 +FCC+CB+CCC+TUV
20W	VFS-12020A0690	0.23	50	81.5%	>0.9	100-277V	12V	0-1.67A	136.5×41×25.5	363×315×155	CE(LVD+EMC)+UL+ CLASS 2+FCC+CB
20W	VFS-24020A0690	0.23	50	82.5%	>0.9	100-277V	24V	0-0.83A	136.5×41×25.5	363×315×155	CE(LVD+EMC)+UL+ CLASS 2+FCC+CB+CCC+TUV
30W	VFS-12030A0693	0.45	30	85.0%	>0.9	100-277V	12V	0-2.5A	172×43×34	325×260×270	CE(LVD+EMC)+UL+ CLASS 2+FCC+CB
30W	VFS-24030A0693	0.45	30	86.0%	>0.9	100-277V	24V	0-1.25A	172×43×34	325×260×270	CE(LVD+EMC)+UL+ CLASS 2+FCC+CB+CCC
40W	VFS-12040A0693	0.45	30	87.0%	>0.9	100-277V	12V	0-3.33A	172×43×34	325×260×270	CE(LVD+EMC)+UL+ CLASS 2+FCC+CB
40W	VFS-24040A0693	0.45	30	88.0%	>0.9	100-277V	24V	0-1.67A	172×43×34	325×260×270	CE(LVD+EMC)+UL+ CLASS 2+FCC+CB+CCC
60W	VFS-12060A0692	0.65	20	87.0%	>0.9	100-277V	12V	0-5A	192×52×37	345×255×185	CE(LVD+EMC)+UL+ CLASS 2+FCC+CB
60W	VFS-24060A0692	0.65	20	88.0%	>0.9	100-277V	24V	0-2.5A	192×52×37	345×255×185	CE(LVD+EMC)+UL+ CLASS 2+FCC+CB

应用场景 APPLICATION SCENARIO



VD胶壳系列 VD PLASTIC CASE SERIES

应用场所: 冰箱冷柜灯具, 室内照明。
Apply to Refrigerator or Freezer Lighting, indoor lighting.

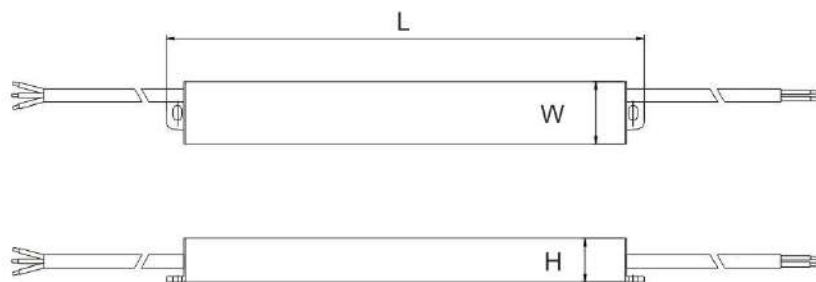
冰箱冷柜照明防水电源 Refrigerator Lighting Waterproof LED Power Supply



产品特点 FEATURES

- ▶ 恒压输出设计;
Constant Voltage;
- ▶ 宽电压输入: 100-240Vac;
Wide Input Voltage: 100-240Vac;
- ▶ 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—+40°C;
Working temperature: -25°C—+40°C;
- ▶ 整机典型效率高达89.0%;
Typical efficiency up to 89.0%;
- ▶ 防水等级IP67, 适合潮湿多尘的环境;
IP67 Waterproof, suitable for wet or dusty environment;
- ▶ 2年/3年/5年/10年质保期。
2/3/5/10 years warranty time.

产品平面图 PRODUCT PLAN



产品参数 PRODUCT PARAMETERS

LED 驱动电源
POWER SUPPLY
www.tauras.com.cn

功率 Power	型号 Item NO.	净重/KG Net Weight	PCS/箱 Pcs/Case	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 L x W x H (mm)	装箱尺寸 Packing L x W x H (mm)	认证 Certificate
7W	VD-12007A0250	0.04	200	79.5%	>0.5	100-240V	12V	0-0.583A	57.5×30×21.5	360×240×280	CE(LVD)+UL
7W	VD-24007A0250	0.04	200	80.5%	>0.5	100-240V	24V	0-0.292A	57.5×30×21.5	360×240×280	CE(LVD)
15W	VD-12015A0281	0.2	50	83.5%	>0.5	100-240V	12V	0-1.25A	142×27.5×24.5	360×225×170	CE(LVD)+ATEX
15W	VD-24015A0281	0.2	50	83.5%	>0.5	100-240V	24V	0-0.625A	142×27.5×24.5	360×225×170	CE(LVD)+CB
20W	VD-12020A0281	0.2	50	84.5%	>0.5	100-240V	12V	0-1.67A	142×27.5×24.5	360×225×170	CE(LVD)+UL+CLASS 2
20W	VD-24020A0281	0.2	50	85.0%	>0.5	100-240V	24V	0-0.83A	142×27.5×24.5	360×225×170	CE(LVD)
30W	VD-12030A0590	0.23	50	85.5%	>0.5	100-240V	12V	0-2.5A	136.5×41×24.5	363×315×155	CE(LVD)+ATEX
30W	VD-24030A0590	0.23	50	86.0%	>0.5	100-240V	24V	0-1.25A	136.5×41×24.5	363×315×155	CE(LVD)
40W	VD-12040A0596	0.42	30	87.0%	>0.5	100-240V	12V	0-3.33A	164.5×43×34	325×260×270	CE(LVD)
40W	VD-24040A0596	0.42	30	88.0%	>0.5	100-240V	24V	0-1.67A	164.5×43×34	325×260×270	CE(LVD)+CB
60W	VD-12060A0596	0.42	30	88.5%	>0.5	100-240V	12V	0-5A	164.5×43×34	325×260×270	CE(LVD)+UL+CUUL
60W	VD-24060A0596	0.42	30	89.5%	>0.5	100-240V	24V	0-2.5A	164.5×43×34	325×260×270	CE(LVD)+UL+CUUL
100W	VD-12100A0592	0.63	20	88.0%	>0.5	100-240V	12V	0-8.34A	192×52×37	345×255×185	CE(LVD)
100W	VD-24100A0592	0.63	20	89.0%	>0.5	100-240V	24V	0-4.17A	192×52×37	345×255×185	CE(LVD)

应用场景 APPLICATION SCENARIO



VAC胶壳系列 VAC PLASTIC CASE SERIES

应用场所: 冰箱冷柜灯具, 室内照明。
Apply to Refrigerator or Freezer Lighting, indoor lighting.

冰箱冷柜照明防水电源 Refrigerator Lighting Waterproof LED Power Supply

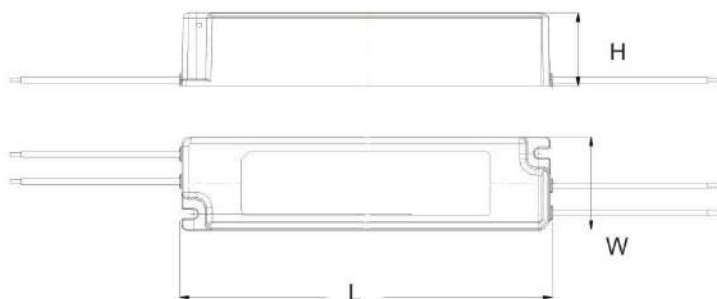
LED 驱动电源 威仕达电源
POWER SUPPLY www.tauras.com.cn

产品特点 FEATURES

- ▶ 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—+40°C;
Working temperature: -25°C—+40°C;
- ▶ 整机典型效率高达89.0%;
Typical efficiency up to 89.0%;
- ▶ 防水等级IP67, 适合潮湿多尘的环境;
IP67 Waterproof, suitable for wet or dusty environment;
- ▶ 2年/3年/5年/10年质保期。
2/3/5/10 years warranty time.



产品平面图 PRODUCT PLAN



产品参数 PRODUCT PARAMETERS

功率 Power	型号 Item NO.	重量/KG Net Weight	PCS/箱 Pcs/Cases	典型效率 Efficiency	功率因素 PFC	输入电压 Input Voltage	输出电压 Output Voltage	输出电流 Output Current	产品尺寸 Dimension L x W x H (mm)	包装尺寸 Packing L x W x H (mm)	认证 Certificate
15W	VAC-12015A0281	0.2	50	81.0%	>0.5	200-240V	12V	0-1.25A	142×27.5×24.5	360×225×170	CE(LVD+EMC)
15W	VAC-24015A0281	0.2	50	82.0%	>0.5	200-240V	24V	0-0.625A	142×27.5×24.5	360×225×170	CE(LVD+EMC)
20W	VAC-12020A0281	0.2	50	81.0%	>0.5	200-240V	12V	0-1.67A	142×27.5×24.5	360×225×170	CE(LVD+EMC)
20W	VAC-24020A0281	0.2	50	82.0%	>0.5	200-240V	24V	0-0.834A	142×27.5×24.5	360×225×170	CE(LVD+EMC)
30W	VAC-12030A0690	0.24	50	83.0%	>0.5	200-240V	12V	0-2.5A	136.5×41×25.5	363×315×155	CE(LVD+EMC)
30W	VAC-24030A0690	0.24	50	86.0%	>0.5	200-240V	24V	0-1.25A	136.5×41×25.5	363×315×155	CE(LVD+EMC)
40W	VAC-12040A0690	0.24	50	83.0%	>0.5	200-240V	12V	0-3.34A	136.5×41×25.5	363×315×155	CE(LVD+EMC)
40W	VAC-24040A0690	0.24	50	86.0%	>0.5	200-240V	24V	0-1.67A	136.5×41×25.5	363×315×155	CE(LVD+EMC)
60W	VAC-12060A0695	0.3	50	86.0%	>0.5	200-240V	12V	0-5A	147×43×26	375×340×175	CE(LVD+EMC)
60W	VAC-24060A0695	0.3	50	87.0%	>0.5	200-240V	24V	0-2.5A	147×43×26	375×340×175	CE(LVD+EMC)
100W	VAC-12100A0693	0.45	30	88.0%	>0.5	200-240V	12V	0-8.34A	172×43×34	325×260×270	CE(LVD+EMC)
100W	VAC-24100A0693	0.45	30	89.0%	>0.5	200-240V	24V	0-4.17A	172×43×34	325×260×270	CE(LVD+EMC)

应用场景 APPLICATION SCENARIO



VDC胶壳系列 VDC PLASTIC CASE SERIES

应用场所: 冰箱冷柜灯具, 室内照明。
Apply to Refrigerator or Freezer Lighting, indoor lighting.

冰箱冷柜照明防水电源 Refrigerator Lighting Waterproof LED Power Supply

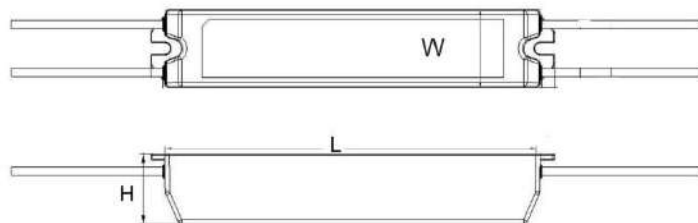
LED 驱动电源 威仕达电源
POWER SUPPLY www.tauras.com.cn

产品特点 FEATURES

- ▶ 恒压输出设计;
Constant Voltage;
- ▶ 宽电压输入: 100-240Vac;
Wide Input Voltage: 100-240Vac;
- ▶ 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—+40°C;
Working temperature: -25°C—+40°C;
- ▶ 整机典型效率高达89.0%;
Typical efficiency up to 89.0%;
- ▶ 防水等级IP67, 适合潮湿多尘的环境;
IP67 Waterproof, suitable for wet or dusty environment;
- ▶ 2年/3年/5年/10年质保期。
2/3/5/10 years warranty time.



产品平面图 PRODUCT PLAN



产品参数 PRODUCT PARAMETERS

功率 Power	型号 Item NO.	重量/KG Net Weight	PCS/箱 Pcs/Case	典型效率 Efficiency	功率因素 PFC	输入电压 Input Voltage	输出电压 Output Voltage	输出电流 Output Current	产品尺寸 Dimension L×W×H (mm)	包装尺寸 Packing L×W×H (mm)	认证 Certificate
15W	VDC-12015A0283	0.18	50	81.5%	>0.5	100-240V	12V	0-1.25A	155×27.5×24.5	360×225×170	CE(LVD+EMC)+IEC+CB
15W	VDC-24015A0283	0.18	50	83.5%	>0.5	100-240V	24V	0-0.625A	155×27.5×24.5	360×225×170	CE(LVD+EMC)+CB
20W	VDC-12020A0283	0.18	50	82.5%	>0.5	100-240V	12V	0-1.67A	155×27.5×24.5	360×225×170	CE(LVD+EMC)+CB
20W	VDC-24020A0283	0.18	50	84.5%	>0.5	100-240V	24V	0-0.83A	155×27.5×24.5	360×225×170	CE(LVD+EMC)+CB
30W	VDC-12030A0690	0.23	50	84.0%	>0.5	100-240V	12V	0-2.5A	136.5×41×25.5	363×315×155	CE(LVD+EMC)+CB
30W	VDC-24030A0690	0.23	50	85.0%	>0.5	100-240V	24V	0-1.25A	136.5×41×25.5	363×315×155	CE(LVD+EMC)+CB
40W	VDC-12040A0695	0.3	50	84.50%	>0.5	100-240V	12V	0-3.34A	147×43×26	375×340×175	CE(LVD+EMC)+CB
40W	VDC-24040A0695	0.3	50	86.00%	>0.5	100-240V	24V	0-1.67A	147×43×26	375×340×175	CE(LVD+EMC)+CB
60W	VDC-12060A0696	0.42	30	88.00%	>0.5	100-240V	12V	0-5A	164.5×43×34	325×260×270	CE(LVD+EMC)+CB
60W	VDC-24060A0696	0.42	30	89.00%	>0.5	100-240V	24V	0-2.5A	164.5×43×34	325×260×270	CE(LVD+EMC)+CB
100W	VDC-12100A0692	0.63	20	88.0%	>0.5	100-240V	12V	0-8.34A	192×52×37	345×255×185	CE(LVD+EMC)+CB
100W	VDC-24100A0692	0.63	20	89.0%	>0.5	100-240V	24V	0-4.17A	192×52×37	345×255×185	CE(LVD+EMC)+CB

应用场景 APPLICATION SCENARIO



HVDC胶壳系列 HVDC PLASTIC CASE SERIES

应用场所：冰箱冷柜灯具，室内照明。
Apply to Refrigerator or Freezer Lighting, indoor lighting.

半灌封电源 Semi-filled Power Supply

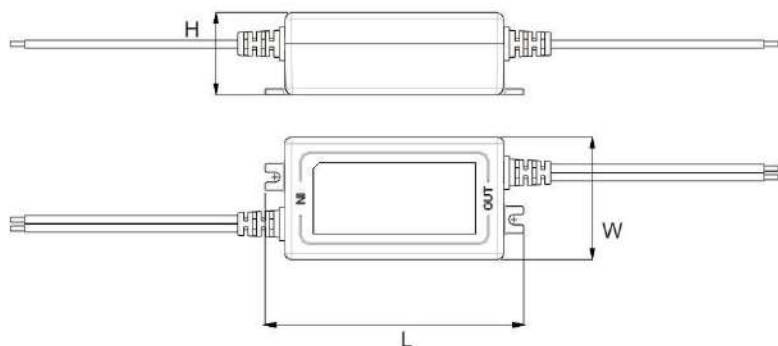
LED 驱动电源
POWER SUPPLY
www.tauras.com.cn

产品特点 FEATURES

- ▶ 恒压输出设计;
Constant Voltage;
- ▶ 宽电压输入:100-240Vac;
Wide Input Voltage: 100-240Vac;
- ▶ 小体积、高效率、高可靠、长寿命;
Small size, High efficiency, High reliability;
- ▶ 防护等级IP42, 适合室内潮湿多尘的环境;
IP42 protection, suitable for indoor wet or dusty environment;
- ▶ 工作温度范围:-20°C~+40°C;
Working temperature: -20°C~+40°C;
- ▶ 保护种类: 过载、过压、短路等保护;
Protection: Over-load, Over-voltage, Short circuit;
- ▶ 整机典型效率高达84.0%;
Typical efficiency up to 84.0%;
- ▶ 符合CE认证, 符合RoHS环保标准;
CE, RoHS certificate;
- ▶ 采用塑料外壳;
Plastic Case;
- ▶ 2年质保期。
2 Years warranty.



产品平面图 PRODUCT PLAN

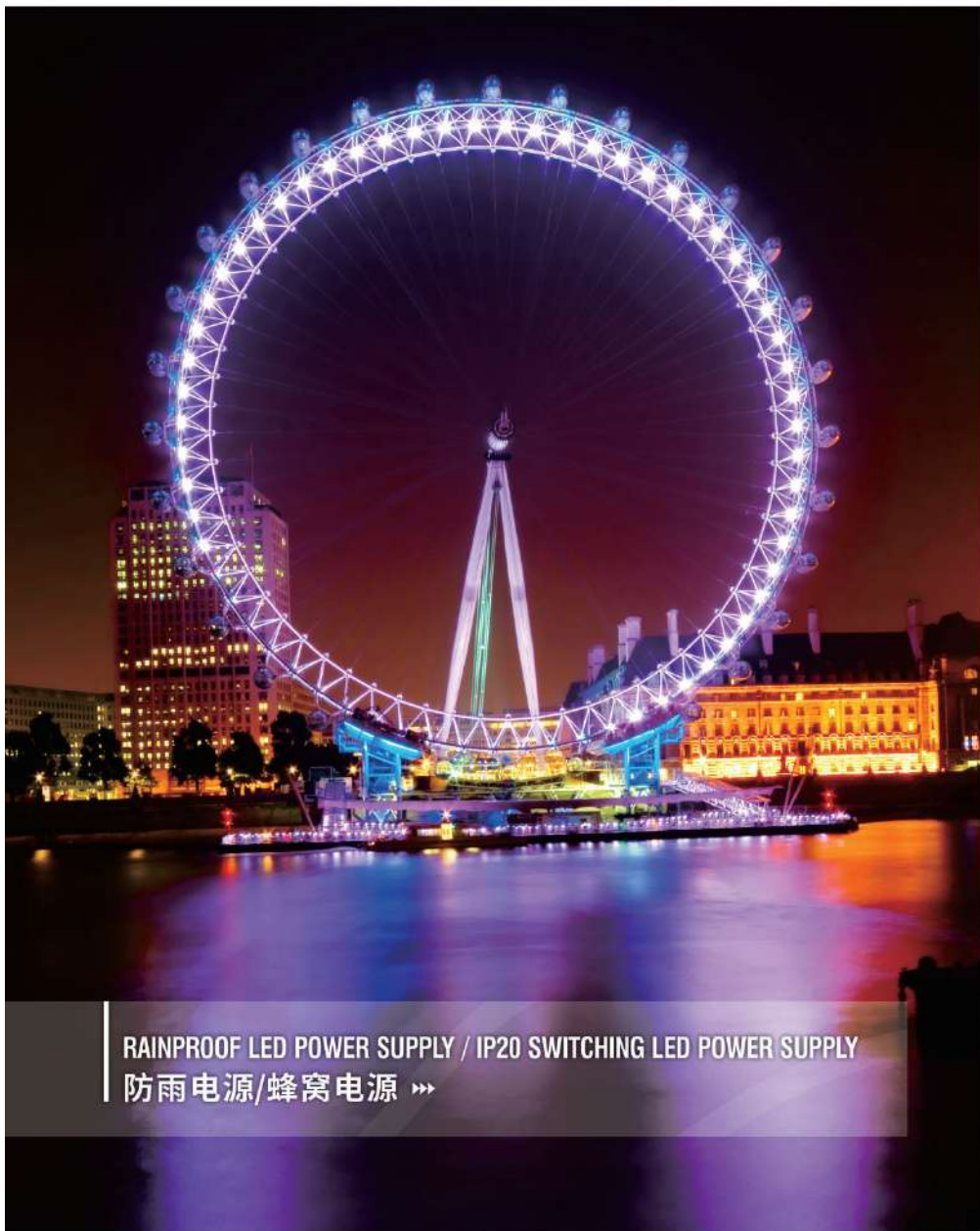


产品参数 PRODUCT PARAMETERS

功率 Power	型号 Item NO.	净重/KG Net Weight	PCS/箱 Pcs/Case	典型效率 Efficiency	功率因素 PFC	输入电压 Input Voltage	输出电压 Output Voltage	输出电流 Output Current	产品尺寸 Dimension L x W x H (mm)	包装尺寸 Packing L x W x H (mm)	认证 Certificate
10W	HVDC-12010A0732	0.075	100	78.0%	>0.5	100-240V	12V	0-0.83A	73×35×23.5	315×275×295	CE(LVD+EMC)
10W	HVDC-24010A0732	0.075	100	79.0%	>0.5	100-240V	24V	0-0.42A	73×35×23.5	315×275×295	CE(LVD+EMC)
15W	HVDC-12015A0731	0.145	100	79.5%	>0.5	100-240V	12V	0-1.25A	91×43×29	380×337×292	CE(LVD+EMC)
15W	HVDC-24015A0731	0.145	100	80.5%	>0.5	100-240V	24V	0-0.63A	91×43×29	380×337×292	CE(LVD+EMC)
20W	HVDC-12020A0731	0.145	100	80.5%	>0.5	100-240V	12V	0-1.67A	91×43×29	380×337×292	CE(LVD+EMC)
20W	HVDC-24020A0731	0.145	100	81.5%	>0.5	100-240V	24V	0-0.83A	91×43×29	380×337×292	CE(LVD+EMC)
30W	HVDC-12030A0730	0.2	50	83.0%	>0.5	100-240V	12V	0-2.5A	99×61×30	375×363×190	CE(LVD+EMC)
30W	HVDC-24030A0730	0.2	50	84.0%	>0.5	100-240V	24V	0-1.25A	99×61×30	375×363×190	CE(LVD+EMC)
40W	HVDC-12040A0730	0.2	50	83.0%	>0.5	100-240V	12V	0-3.33A	99×61×30	375×363×190	CE(LVD+EMC)
40W	HVDC-24040A0730	0.2	50	84.0%	>0.5	100-240V	24V	0-1.67A	99×61×30	375×363×190	CE(LVD+EMC)

应用场景 APPLICATION SCENARIO





RAINPROOF LED POWER SUPPLY / IP20 SWITCHING LED POWER SUPPLY
防雨电源/蜂窝电源

SVG金属壳系列 SVG METAL CASE SERIES

应用场所: 适用于室内经济型景观亮化工程。
Apply to Indoor Economic Landscape Lighting Projects.

IP20 Switching LED Power Supply 蜂窝电源

产品特点 FEATURES

- ▶ 恒压输出设计;
Constant Voltage;
- ▶ 高电压输入: 185-255Vac;
High Input Voltage: 185-255Vac;
- ▶ 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 ~ +40°C;
Working temperature: -25°C ~ +40°C;
- ▶ 整机典型效率高达89%;
Typical efficiency up to 89%;
- ▶ 采用航空级铝材金属外壳;
Aviation class Metal Case;
- ▶ 2年/3年质保期。
2/3 years warranty time.



产品平面图 PRODUCT PLAN



产品参数 PRODUCT PARAMETERS

功率 Power	型号 Item NO.	净重/KG Net Weight	PCS/箱 Pcs/Case	典型效率 Efficiency	功率因素 PFC	输入电压 Input Voltage	输出电压 Output Voltage	输出电流 Output Current	产品尺寸 Dimension L x W x H (mm)	包装尺寸 Packing L x W x H (mm)	认证 Certificate
60W	SVG-12060D1641	0.21	40	86.0%	>0.5	185-255V	12V	0-5A	195 × 53 × 21.5	415 × 240 × 150	CE(LVD)
60W	SVG-24060D1641	0.21	40	87.5%	>0.5	185-255V	24V	0-2.5A	195 × 53 × 21.5	415 × 240 × 150	CE(LVD)
120W	SVG-12120D1640	0.23	40	89.0%	>0.5	185-255V	12V	0-10A	225 × 53 × 21.5	330 × 245 × 220	CE(LVD)
120W	SVG-24120D1640	0.23	40	89.0%	>0.5	185-255V	24V	0-5A	225 × 53 × 21.5	330 × 245 × 220	CE(LVD)

RVG金属壳系列 RVG METAL CASE SERIES

应用场所: 适用于室外淋雨环境景观亮化工程。
Apply to Outdoor Rain Environment Landscape Lighting Projects.

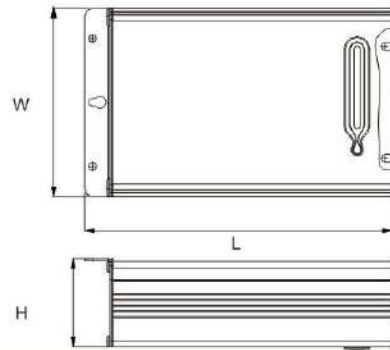
户外景观亮化经济型防水电源 Constant Current LED Power Supply For Street Lamp



产品特点 FEATURES

- ▶ 恒压输出设计;
Constant Voltage;
- ▶ 高电压输入: 185-255Vac;
High Input Voltage: 185-255Vac;
- ▶ 小体积、高效率、高可靠、长寿命;
Small size, High efficiency, High reliability;
- ▶ 防水等级IP34, 适合干燥、潮湿环境;
IP34 rating, suitable for dry, wet environment;
- ▶ 工作温度范围: -25°C—+50°C, 50°C需降额使用;
Working temperature: -25°C—+50°C, must be derating use when 50°C;
- ▶ 内置全方位保护: 过载、过压、短路等保护;
Protection: Over-load, Over-voltage, Short circuit, etc;
- ▶ 整机典型效率高达86.5%;
Typical efficiency up to 86.5%;
- ▶ 符合CE认证, 符合RoHS环保标准;
CE, RoHS certificate;
- ▶ 采用航空级铝材金属外壳;
Aviation class Metal Case;
- ▶ 2年质保期。
2 years warranty time.

产品平面图 PRODUCT PLAN



产品参数 PRODUCT PARAMETERS

功率 Power	型号 Item NO.	净重/KG Net Weight	PCS/箱 Pcs/Case	典型效率 Efficiency	功率因素 PFC	输入电压 Input Voltage	输出电压 Output Voltage	输出电流 Output Current	产品尺寸 Dimension L x W x H (mm)	装箱尺寸 Packing L x W x H (mm)	认证 Certificate
400W	RVG-12400D1554	0.85	10	84.5%	>0.5	185-255V	12V	0-33.3A	194.5×120.5×57	330×225×265	CE(LVD)
400W	RVG-24400D1554	0.85	10	86.5%	>0.5	185-255V	24V	0-16.7A	194.5×120.5×57	330×225×265	CE(LVD)

RAF金属壳系列 RAF METAL CASE SERIES

应用场所: 适用于户外亮化照明工程、路灯、投光灯、隧道灯。
Apply to Outdoor Lighting Projects, Street Lamp, Flood Light, Tunnel Lamp.

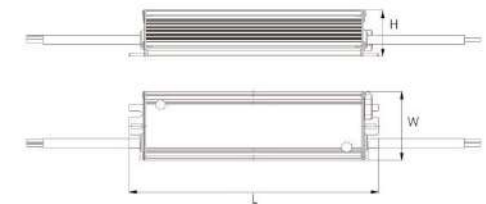
Constant Current LED Power Supply For Street Lamp 路灯照明恒流防水电源



产品特点 FEATURES

- ▶ 恒流输出设计;
Constant Current;
- ▶ 高电压输入: 200-240Vac;
High Input Voltage: 200-240Vac;
- ▶ 高功率因数(PF);
High Power Factor;
- ▶ 内置全方位保护: 过压保护、过流保护、过温保护、短路保护等;
Protection: Over-voltage, Over-current, Over-temperature, Short circuit, etc;
- ▶ 输出电流外部可调;
External adjustable output current;
- ▶ 符合线对线2KV/线对地4KV耐受雷击浪涌等级;
Surge grade: L to N: 2KV, L/N to FG: 4KV;
- ▶ 工作温度范围: -40°C—+60°C, 70°C需降额使用;
Working temperature: -40°C—+60°C, must be derating use when 70°C;
- ▶ 整机典型效率高达88.5%;
Typical efficiency up to 88.5%;
- ▶ 内置可选三合一(0-10V/PWM/电阻)调光、智能时控调光;
3 in 1 dimmable(0-10V/PWM/Resistance), smart time control dimming;
- ▶ 防水等级IP67, 适合干燥、潮湿、淋雨及多水环境;
IP67 Waterproof, suitable for Dry, Wet, in the Rain and a watery environment;
- ▶ 采用航空级铝材金属外壳;
Aviation class Metal Case;
- ▶ 5年/7年质保期。
5/7 years warranty time.

产品平面图 PRODUCT PLAN



产品参数 PRODUCT PARAMETERS

功率 Power	型号 Item NO.	净重/KG Net Weight	PCS/箱 Pcs/Case	典型效率 Efficiency	功率因素 PFC	输入电压 Input Voltage	输出电压 Output Voltage	输出电流 Output Current	产品尺寸 Dimension L x W x H (mm)	装箱尺寸 Packing L x W x H (mm)	认证 Certificate
50W	RAF-050S036N	0.45	30	88.5%	>0.9	200-240V	21-36V	1.4A	160.2×46.5×31.5	425×275×225	CE(LVD)
50W	RAF-050S042N	0.45	30	88.5%	>0.9	200-240V	30-42V	1.2A	160.2×46.5×31.5	425×275×225	CE(LVD)
50W	RAF-050S048N	0.45	30	88.5%	>0.9	200-240V	36-48V	1.05A	160.2×46.5×31.5	425×275×225	CE(LVD)
50W	RAF-050S054N	0.45	30	88.5%	>0.9	200-240V	42-54V	1A	160.2×46.5×31.5	425×275×225	CE(LVD)

产品特点 FEATURES



- ▶ 恒流输出设计;
Constant Current;
- ▶ 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;
Protection: Over-voltage, Over-current, Over-temperature, Short circuit, etc;
- ▶ 输出电流外部可调;
External adjustable output current;
- ▶ 符合线对线4KV/线对地6KV耐受雷击浪涌等级;
Surge grade: L to N: 4KV, L/N to FG: 6KV;
- ▶ 工作温度范围: -40°C~+60°C, 60°C需降额使用;
Working temperature: -40°C~+60°C, must be derating use when 60°C;
- ▶ 整机典型效率高达91.0%;
Typical efficiency up to 91.0%;
- ▶ 内置可选配三合一(0-10V/PWM/电阻)调光、智能时控调光;
3 in 1 dimmable(0-10V/PWM/Resistance), smart time control dimming;
- ▶ 防水等级IP67, 适合干燥、潮湿、淋雨及多水环境;
IP67 Waterproof, suitable for Dry, Wet, in the Rain and a watery environment;
- ▶ 采用航空级铝材金属外壳;
Aviation class Metal Case;
- ▶ 5年/7年质保期。
5/7 years warranty time.

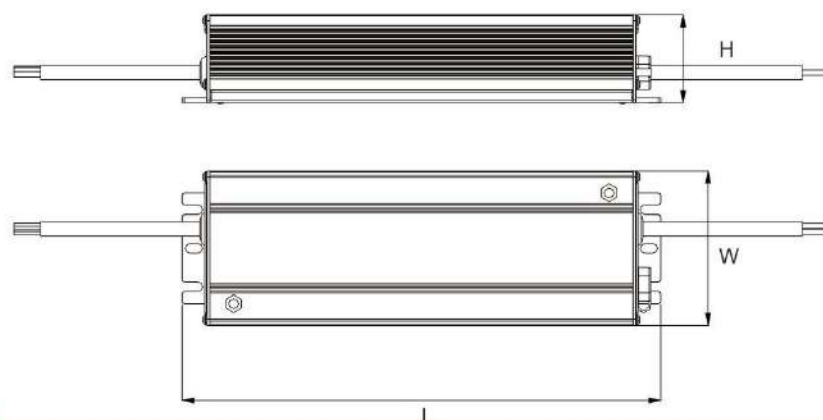
产品参数 PRODUCT PARAMETERS

功率 Power	型号 Item NO.	净重/KG Net Weight	PCS/箱 Pcs/Case	典型效率 Efficiency	功率因素 PFC	输入电压 Input Voltage	输出电压 Output Voltage	输出电流 Output Current	产品尺寸 Dimension L x W x H (mm)	包装尺寸 Packing L x W x H (mm)	认证 Certificate
100W	RAS-100D036N	0.65	20	88.5%	>0.9	200-240V	21-36V	2.8A	157×64×36.5	445×255×220	CCC+CE(LVD+EMC)
100W	RAS-100D042N	0.65	20	88.5%	>0.9	200-240V	30-42V	2.4A	157×64×36.5	445×255×220	CCC+CE(LVD+EMC)
100W	RAS-100D048N	0.65	20	88.5%	>0.9	200-240V	36-48V	2.1A	157×64×36.5	445×255×220	CCC+CE(LVD+EMC)
100W	RAS-100D054N	0.65	20	88.5%	>0.9	200-240V	42-54V	2.25A	157×64×36.5	445×255×220	CCC+CE(LVD+EMC)
150W	RAS-150D036N	0.85	15	90.5%	>0.9	200-240V	24-36V	4.2A	199×64×36.5	445×300×170	CCC+CE(LVD+EMC)
150W	RAS-150D042N	0.85	15	90.5%	>0.9	200-240V	30-42V	3.6A	199×64×36.5	445×300×170	CCC+CE(LVD+EMC)
150W	RAS-150D048N	0.85	15	91%	>0.9	200-240V	36-48V	3.2A	199×64×36.5	445×300×170	CCC+CE(LVD+EMC)
150W	RAS-150D054N	0.85	15	91%	>0.9	200-240V	42-54V	2.8A	199×64×36.5	445×300×170	CCC+CE(LVD+EMC)

应用场景 APPLICATION SCENARIO



产品平面图 PRODUCT PLAN



RFS金属壳系列 RFS METAL CASE SERIES

应用场所: 适用于户外亮化照明工程、路灯、投光灯、隧道灯。
Apply to Outdoor Lighting Projects, Street Lamp, Flood Light, Tunnel Lamp.

路灯照明恒流防水电源 Constant Current LED Power Supply For Street Lamp

LED 驱动电源 成心光电
POWER SUPPLY www.tauras.com.cn

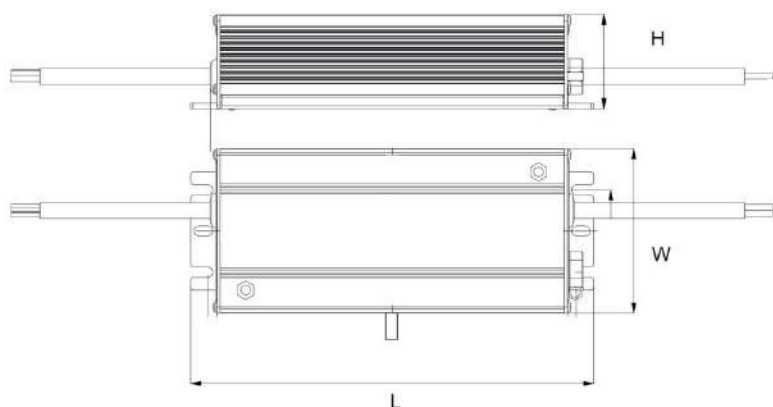
产品特点 FEATURES

- ▶ 恒流输出设计;
Constant Current;
- ▶ 宽电压输入:100-277Vac;
Wide input voltage: 90-305Vac;
- ▶ 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;
Protection: Over-voltage, Over-current, Over-temperature, Short circuit, etc;
- ▶ 输出电流外部可调;
External adjustable output current;
- ▶ 符合线对线4KV/线对地6KV耐受雷击浪涌等级;
Surge grade: L to N: 4KV, L/N to FG: 6KV;
- ▶ 工作温度范围: -40°C~+60°C, 60°C需降额使用;
Working temperature: -40°C~+60°C, must be derating use when 60°C;
- ▶ 整机典型效率高达91.5%;
Typical efficiency up to 91.5%;
- ▶ 内置可选配三合一(0-10V/PWM/电阻)调光、智能时控调光;
3 in 1 dimmable(0-10V/PWM/Resistance), smart time control dimming;
- ▶ 防水等级IP67, 适合干燥、潮湿、淋雨及多水环境;
IP67 Waterproof, suitable for Dry, Wet, in the Rain and a watery environment;
- ▶ 采用航空级铝材金属外壳;
Aviation class Metal Case;
- ▶ 5年/7年质保期。
5/7 years warranty time.

产品参数 PRODUCT PARAMETERS

功率 Power	型号 Item NO.	重量/KG Net Weight	PCS/箱 Pcs/Case	典型效率 Efficiency	功率因素 PFC	输入电压 Input Voltage	输出电压 Output Voltage	输出电流 Output Current	产品尺寸 Dimension L x W x H (mm)	包装尺寸 Packing L x W x H (mm)	认证 Certificate
50W	RFS-050S036N	0.45	30	88.5%	>0.9	100-277V	21-36V	1.4A	170.2×46.5×31.5	425×275×225	CE/LVD+EMC+UL+CCC
50W	RFS-050S042N	0.45	30	88.5%	>0.9	100-277V	30-42V	1.2A	170.2×46.5×31.5	425×275×225	CE/LVD+EMC+UL+CCC
50W	RFS-050S048N	0.45	30	88.5%	>0.9	100-277V	36-48V	1.05A	170.2×46.5×31.5	425×275×225	CE/LVD+EMC+UL+CCC
50W	RFS-050S054N	0.45	30	88.5%	>0.9	100-277V	42-54V	1A	170.2×46.5×31.5	425×275×225	CE/LVD+EMC+UL+CCC
60W	RFS-060D036N	0.65	20	89.5%	>0.9	100-277V	24-36V	1.67A	157×64×36.5	445×255×220	CE/LVD+EMC+UL+ULCS2
60W	RFS-060D054N	0.65	20	89.5%	>0.9	100-277V	32-54V	1.15A	157×64×36.5	445×255×220	CE/LVD+EMC+UL+ULCS2
75W	RFS-075D036N	0.65	20	89.5%	>0.9	100-277V	21-36V	2.1A	157×64×36.5	445×255×220	CE/LVD+EMC+UL+ULCS2
75W	RFS-075D042N	0.65	20	89.5%	>0.9	100-277V	30-42V	1.8A	157×64×36.5	445×255×220	CE/LVD+EMC+UL+ULCS2
75W	RFS-075D048N	0.65	20	89.5%	>0.9	100-277V	36-48V	1.6A	157×64×36.5	445×255×220	CE/LVD+EMC+UL+ULCS2
75W	RFS-075D054N	0.65	20	89.5%	>0.9	100-277V	42-54V	1.4A	157×64×36.5	445×255×220	CE/LVD+EMC+UL+ULCS2
100W	RFS-100D036N	0.85	15	91.0%	>0.9	100-277V	21-36V	2.8A	199×64×36.5	445×300×170	CE/LVD+EMC+UL+ULCS2
100W	RFS-100D042N	0.85	15	91.0%	>0.9	100-277V	30-42V	2.4A	199×64×36.5	445×300×170	CE/LVD+EMC+UL+ULCS2
100W	RFS-100D048N	0.85	15	91.0%	>0.9	100-277V	36-48V	2.1A	199×64×36.5	445×300×170	CE/LVD+EMC+UL+ULCS2
100W	RFS-100D054N	0.85	15	91.0%	>0.9	100-277V	42-54V	1.85A	199×64×36.5	445×300×170	CE/LVD+EMC+UL+ULCS2
120W	RFS-120D036N	0.85	15	91.0%	>0.9	100-277V	21-36V	3.35A	199×64×36.5	445×300×170	CE/LVD+EMC+UL+ULCS2
120W	RFS-120D042N	0.85	15	91.0%	>0.9	100-277V	30-42V	2.85A	199×64×36.5	445×300×170	CE/LVD+EMC+UL+ULCS2
120W	RFS-120D048N	0.85	15	91.0%	>0.9	100-277V	36-48V	2.5A	199×64×36.5	445×300×170	CE/LVD+EMC+UL+ULCS2
120W	RFS-120D054N	0.85	15	91.0%	>0.9	100-277V	42-54V	2.25A	199×64×36.5	445×300×170	CE/LVD+EMC+UL+ULCS2
150W	RFS-150D036N	0.92	15	91.0%	>0.9	100-277V	21-36V	4.2A	216×64×36.5	445×320×170	CE/LVD+EMC+UL+ULCS2
150W	RFS-150D042N	0.92	15	91.0%	>0.9	100-277V	30-42V	3.6A	216×64×36.5	445×320×170	CE/LVD+EMC+UL+ULCS2
150W	RFS-150D048N	0.92	15	91.5%	>0.9	100-277V	36-48V	3.2A	216×64×36.5	445×320×170	CE/LVD+EMC+UL+ULCS2
150W	RFS-150D054N	0.92	15	91.5%	>0.9	100-277V	42-54V	2.8A	216×64×36.5	445×320×170	CE/LVD+EMC+UL+ULCS2

产品平面图 PRODUCT PLAN



DIMMABLE LED POWER SUPPLY 调光电源

应用场所: 适用于户外调光、室内调光、RGB灯条、洗墙灯等。
Apply to Outdoor Dimming, Indoor Dimming, RGB Strip light, Wall Washer, etc.

可控硅调光电源
TRIAC DIMMABLE LED POWER SUPPLY

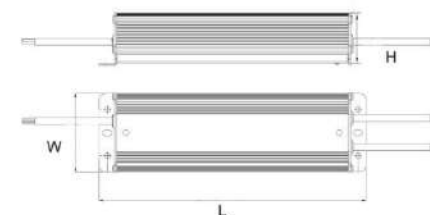
TVACT Triac Dimmable Metal Case Series TVACT可控硅调光电源金属壳系列

产品特点 FEATURES

- ▶ 恒压输出设计, PWM输出;
Constant Voltage, PWM output;
- ▶ 高电压输入: 200-240Vac;
Input voltage: 200-240Vac;
- ▶ 兼容多种可控硅调光器, 兼容前沿、后沿调光器;
Compatible with kinds of TRIAC dimmers; leading edge and trailing edge dimmers;
- ▶ 0-100%调光范围, 调光平滑无频闪;
0-100% dimming, smooth without flash;
- ▶ 内置全方位保护: 过压保护、过流保护、过温保护、短路保护等;
Protection: Over-voltage, Over-current, Over-temperature, Short circuit, etc;
- ▶ 工作温度范围: -40°C~+60°C, 60°C需降额使用;
Working temperature: -40°C~+60°C, must be derating use when 60°C;
- ▶ 防水等级IP67, 适合干燥、潮湿、淋雨及多水环境;
IP67 Waterproof, suitable for Dry, Wet, in the Rain and a watery environment;
- ▶ 采用航空级铝材金属外壳;
Aviation class Metal Case;
- ▶ 3年质保。
3 Years warranty.



产品平面图 PRODUCT PLAN



产品参数 PRODUCT PARAMETERS

功率 Power	型号 Item NO.	净重/KG Net Weight	PCS/箱 Pcs/Case	典型效率 Efficiency	功率因素 PFC	输入电压 Input Voltage	输出电压 Output Voltage	输出电流 Output Current	产品尺寸 Dimension L x W x H (mm)	包装尺寸 Packing L x W x H (mm)	认证 Certificate
100W	TVACT-12100D0874	1	10	87.5%	>0.5	200-240V	12V	0-3.34A	210×67.5×45	320×245×200	CE(LVD+EMC)
100W	TVACT-24100D0874	1	10	89.0%	>0.5	200-240V	24V	0-4.17A	210×67.5×45	320×245×200	CE(LVD+EMC)
150W	TVACT-12150D0877	1.15	10	88.0%	>0.5	200-240V	12V	0-12.5A	230×67.5×45	320×295×195	CE(LVD+EMC)
150W	TVACT-24150D0877	1.15	10	89.5%	>0.5	200-240V	24V	0-6.25A	230×67.5×45	320×295×195	CE(LVD+EMC)
200W	TVACT-12200D0873	1.2	10	88.0%	>0.5	200-240V	12V	0-16.7A	247×67.5×45	320×295×195	CE(LVD+EMC)
200W	TVACT-24200D0873	1.2	10	89.5%	>0.5	200-240V	24V	0-8.34A	247×67.5×45	320×295×195	CE(LVD+EMC)

A 防雨和室内机 INDOOR IP20 & RAINPROOF IP34 LED POWER SUPPLY

室内机和防雨电源安装场地要求:

Installation location for Indoor & Rainproof LED power supply

- ① 室内电源必须安装在室内,不能有水喷到的地方;
The plastic case Power Supply is best to be used in indoor. Avoid the installation close to low-lying water environment.
- ② 防雨电源必须垂直安装,接线端子朝下,安装高度底部距离地面至少高于20CM,防止雨水溅到电源内;
If use outdoor, please protect the Power Supply from direct sunlight and rain. The Power Supply should never be installed underground.
- ③ 通风或利于散热的环境;
No matter indoor or outdoor environment, the location must be easy for heat dissipation.

B 塑胶管塞和塑胶壳电源 PLASTIC CASE / PLASTIC SIDE COVER IP67 LED POWER SUPPLY

塑胶管塞和塑胶壳电源安装场地要求:

Installation location request for plastic case / plastic side cover IP67 LED power supply

- ① 电源尽量安装在室内 (不能安装在有积水低洼地带);
These kinds of LED Power Supply is best to be used in indoor. Avoid the installation close to low-lying water environment.
- 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;
If use outdoor, please protect the Power Supply from direct sunlight and rain. The Power Supply should never be installed underground.
- ③ 通风或利于散热的环境;
No matter indoor or outdoor environment, the location must be easy for heat dissipation.
- ④ 安装方向: 机壳不干胶(标签)面朝上平放或侧向安装;
Install direction. Horizontal and vertical installation are both ok, only make sure the label is on up side.

C 金属壳电源 METAL CASE IP66 LED POWER SUPPLY

金属壳电源安装场地要求:

Installation location request for metal case IP66 LED power supply list

- ① 电源要求安装在通风或利于散热的环境;
The product is requested to be installed in an environment where is good for heat dissipation.
- ② 安装方向: 机壳不干胶(标签)面朝上平放或侧向安装;
Installation direction: Horizontal and vertical installation are both ok, only make sure the label is on up side.
- ③ 电源不能安装在有积水低洼地带、不能长期泡在水中,必须要有防水措施;
The LED Power Supply should not be installed where is close to low-lying water or long term under water use. Necessary measures need to be taken to prevent the low-lying water.

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°C~+50°C; 相对湿度不大于98%。
- ② 户内产品使用的最高环境温度+50°C; 相对湿度不大于80%。
- ③ 产品可储存在: 温度-25°C~+75°C; 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 $\pm 10\%$ 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、必须严格按照产品说明书使用, 严禁将产品直接用在恶劣的环境中 (如: 酸碱性较大的地区、泡水使用)。

1、Operating environment and storage conditions:

- ① If using outdoor, the appropriate temperature should be of -25°C~+50°C; with the relative humidity not more than 98%.
- ② If using indoor, the maximum appropriate temperature should be +50°C; with the relative humidity not more than 80%.
- ③ If storing the product, the appropriate temperature should be of -25°C~+75°C; with the relative humidity not more than 80%.

2、Three principles for installation:

- ① The voltage of the electric grid in use must be ensured to be within the operating $\pm 10\%$ voltage scope specified by the power source;
for instance: if the nominal input voltage is 200V-240V, it is required to connect the power source with the electric grid with the voltage not less than 180V or higher than 264V.
- ② Never use in the unexpected load, for instance overload or extreme underload or etc.
- ③ Install the product in an environment and a way facilitating for the power source for heat dissipation:
 - A、Never install the power source in a hot environment;
 - B、Ensure the power source to radiate heat in three ways of heat transfer:
 - a、Expose it in moving air;
 - b、Leave the heat radiation space as large as possible;
 - c、Install it in a metal plate with large area and make it contact well to radiate heat through the metal plate;

3、Please operate strictly according to the Product Operating Instructions. Do not directly use the products in harsh environments (such as: PH larger areas or in water use).

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