

SUNCOM 新创电源	产品类型	LED 驱动电源 LED INTEGRATED SPECIAL DRIVER		
	产品系列	GSE-5W系列	REV	V1.0

广东新创电源科技有限公司

客户承认书

SPECIFICATION FOR APPROVAL

CUSTOMER/客户名:	
MODEL NO. /产品型号:	GSE-5W系列
Rev. /版本号	V1.0
SAMPLE DATE/送样日期:	

客户确认栏		
TESTED BY 检查	CHECKED BY 审核	APPROVED BY 批准
客户备注		

Please return to us one copy of “SPECIFICATION FOR APPROVAL” with you approved signature. /客户确认签章后请回传一份承认书给我公司.

新创确认栏		
TESTED BY 检查	CHECKED BY 审核	APPROVED BY 批准

Guangdong Suncom Power Technology Co., Ltd

广东新创电源科技有限公司

No.1 of Yongyi 3rd Road Henglan Town Zhongshan Guangdong China Post code528478

地址：广东省中山市横栏镇永兴工业区永谊三路 1号 邮编：528478

TEL:0760-22326609 28168136 FAX:0760-87600929

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◆ Features 产品特性:

- Input Rated voltage : 100-265Vac 50Hz/60Hz

输入额定电压范围:100-265Vac 50Hz/60Hz

- Isolation, Constant current mode output

隔离, 恒流模式输出

- Surge Protection: L-N :1 KV

防雷保护: 火线对零线1 KV

◆ Applications 产品应用:

Application: Down lamp, Panel light or Other lighting lamps

应用于: 筒灯、面板灯等照明灯具

◆ Description 产品描述:

This product is a constant current drive power supply, Specially designed for LED, Built-in Surge protection, Output open circuit、short circuit Protection, Greatly improve the safety and reliability of the product.

本产品为恒流驱动电源, 专为LED设计。内置防雷保护, 输出开路、短路保护, 提高了产品的安全可靠性。

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■ MODEL LIST 型号列表

Model 型号	Rated Power 额定输出功率	Input Voltage 输入电压	Output Voltage 输出电压范围	Output Current输出 出电流
GSE-5W250-20	5W	100-265Vac	9-20V	250mA
GSE-5W300-18	5W	100-265Vac	9-18V	300mA

NOTE: All parameters NOT special mentioned are measured at 230Vac input,rated load and 25℃ of ambient temperature ; 如未特殊注明 , 所有参数均在 230Vac 输入、额定负载、25℃环境温度下测量

■ ELECTRICAL SPECIFICATION 电气规格

◆ 输入性能 Input performance:

Parameter 参数	Min. 最小值	Typ. 典型值	Max. 最大值	Notes. 备注
Voltage Range 电压范围	100Vac	110-240Vac	265Vac	
Frequency Range 频率范围	47Hz	50/60Hz	63Hz	
AC Current 交流电流	-	-	0.15A	
Inrush Current 浪涌电流	-	-	30A	At 230Vac input,25℃ cold start 环温 25℃, 230Vac 冷机启动

◆ 输出性能: Output performance

Parameter 参数	Min. 最小值	Typ. 典型值	Max. 最大值	Notes. 备注
Voltage Range 电压范围	9VDC	-	20VDC	GSE-5W250-20
	9VDC	-	18VDC	GSE-5W300-18
Rated Current 额定电流	230mA	250mA	260mA	GSE-5W250-20
	270mA	295mA	310mA	GSE-5W300-18
Rated Power 额定功率	-	-	5W	-
Over Voltage 空载电压	25V	-	35V	GSE-5W250-20
	25V	-	30V	GSE-5W300-18
Efficiency 效率 At 230Vac input, full load 满载, 输入230Vac下测量	≥80%	80.5%	-	GSE-5W250-20
	≥82%	82.5%		GSE-5W300-20
Current Tolerance 电流精度	-5%	-	+5%	-
Line Regulation 线性调整率	-5%	-	+5%	-
Load Regulation 负载调整率	-5%	-	+5%	-

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Current Ripple 纹波电流	-	±9%	<±10%	-
Turn-on Delay Time 启动时间	-	0.3S	<1S	Measured at full load and 230Vac input
Short Circuit Protection 短路保护	-	-	1W	Hiccup mode, recovers automatically after fault condition is removed 打嗝模式，故障排除后自动恢复

■ 环境：Environment

Parameter 参数	Min. 最小值	Typ. 典型值	Max. 最大值	Notes. 备注
Working TEMP 工作温度	-40℃	+25℃	+65℃	-
Storage TEMP 储存温度	-40℃	+25℃	+85℃	-
Working Humidity 工作湿度	20% RH	-	90% RH	-
Storage Humidity 储存湿度	10% RH	-	90% RH	-
Maximum shell TEMP 最大壳温	-	-	+90℃	-

■ 安规：

Withstand voltage 耐压	I/P-O/P:1.5KVAC
isolation resistance 绝缘阻抗	≧5MΩ at I/P - O/P 500VDC Test
leakage current 漏电流	<0.75mA/230Vac
Earthing resistance 接地电阻	-
Surge 浪涌	差模 L-N +/- 1KV (2 ohm)

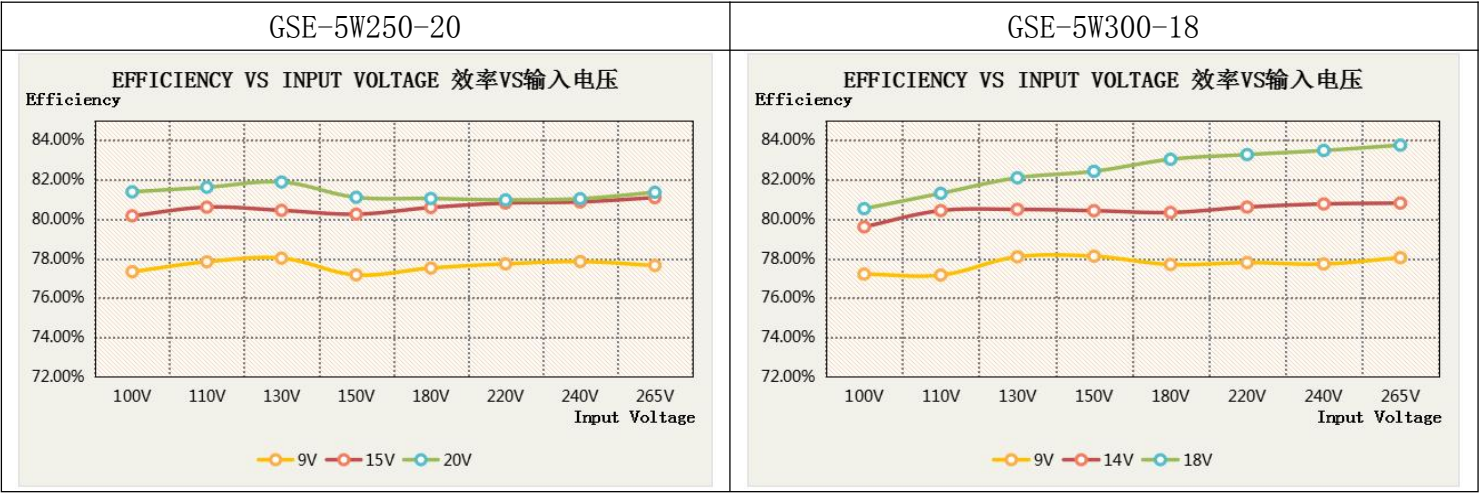
NOTE:

- 1) All parameters NOT specially mentioned are measured at 230Vac (50Hz) input, rated load and 25℃ of ambient temperature.
如未特别说明，所有规格参数均在 230Vac (50Hz) 输入，额定负载，环境温度 25℃ 的条件下进行测量
- 2) Tolerance : includes set up tolerance, line regulation and load regulation.
误差：包含设定误差、线性调整率和负载调整率。

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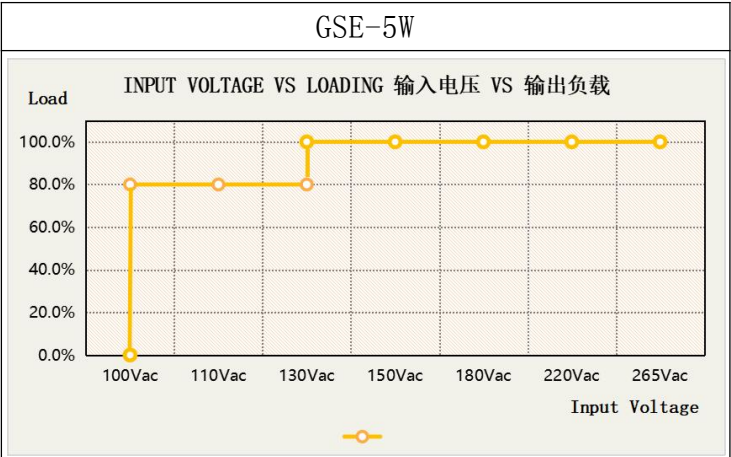
■ EFFICIENCY VS INPUT VOLTAGE ■ EFFICIENCY VS INPUT VOLTAGE

效率 VS 输入电压 效率 VS 输入电压



■ INPUT VOLTAGE VS LOADING

输入 电压 VS 输出负载



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MECHANICAL

SPECIFICATION & PACKING

机械尺寸图 & 包装:

Bare plate dimension 裸板尺寸	34*17*17mm(L*W*H)
final dimension 成品尺寸	66*30*20mm(L*W*H)
Product Weight 产品重量	60g

Case No. 机壳型号: 5W

Unit 单位:mm

棕色 : L

黄绿色: N

蓝色 : N

黑色 : V-

红色 : V+

Nameplate 铭牌

尺寸: 48*22mm 样式: 贴纸

GSE-5W250-20		GSE-5W300-18																									
SUNCOM GSE-5W250-20 LED控制装置 <table> <tr> <th>INPUT</th><td>Vin:100-265V~0.15A</td><td>Vout:9-20V=250mA±5%</td><th>OUTPUT</th></tr> <tr> <td>○ ACL(BN棕)</td><td>PF:≥0.5 50/60Hz</td><td>Max.Uout: 35V=</td><td>(BK黑)Vo -</td></tr> <tr> <td>○ ACN(BU蓝)</td><td>ta:65°C tc:90°C •tc</td><td>Rated Power:5W</td><td>(RD红)Vo +</td></tr> </table> MADE IN CHINA (中国制造) SELV IP65		INPUT	Vin:100-265V~0.15A	Vout:9-20V=250mA±5%	OUTPUT	○ ACL(BN棕)	PF:≥0.5 50/60Hz	Max.Uout: 35V=	(BK黑)Vo -	○ ACN(BU蓝)	ta:65°C tc:90°C •tc	Rated Power:5W	(RD红)Vo +	SUNCOM GSE-5W300-18 LED控制装置 <table> <tr> <th>INPUT</th><td>Vin:100-265V~0.15A</td><td>Vout:9-18V=300mA±5%</td><th>OUTPUT</th></tr> <tr> <td>○ ACL(BN棕)</td><td>PF:≥0.5 50/60Hz</td><td>Max.Uout: 30V=</td><td>(BK黑)Vo -</td></tr> <tr> <td>○ ACN(BU蓝)</td><td>ta:65°C tc:90°C •tc</td><td>Rated Power:5W</td><td>(RD红)Vo +</td></tr> </table> MADE IN CHINA (中国制造) SELV IP65		INPUT	Vin:100-265V~0.15A	Vout:9-18V=300mA±5%	OUTPUT	○ ACL(BN棕)	PF:≥0.5 50/60Hz	Max.Uout: 30V=	(BK黑)Vo -	○ ACN(BU蓝)	ta:65°C tc:90°C •tc	Rated Power:5W	(RD红)Vo +
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