

SUNCOM 新创电源	产品类型	新创 LED 驱动电源 XCHLY LED INTEGRATED SPECIAL DRIVER		
	产品系列	GSE-24W系列	REV	V2.0

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-24W系列
Rev. /版本号	V2.0
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

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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

- Ultra high efficiency (up to 89%)

效率高达89%

- Surge Protection: L-N :2KV

防雷保护: 线对线2KV

◆ Applications 产品应用:

Application: Downlight, panel light, Wash Wall Light, guide rail light and other lighting lamps

应用于: 筒灯、面板灯、洗墙灯、导轨灯等照明灯具

◆ Description 产品描述:

The product is a constant current drive power supply, Designed for LED. Built-in Surge

protection, Output open-circuit、short-circuit protection, Greatly improve the safety and reliability of products

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, 极大的提高了产品的安全可靠性能。

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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 输出电流
GSE-24W250-86	24W	100-265Vac	52-86V	250mA
GSE-24W300-86	24W	100-265Vac	52-86V	300mA
GSE-24W350-70	24W	100-265Vac	40-70V	350mA
GSE-24W500-45	24W	100-265Vac	21-45V	500mA
GSE-24W600-42	24W	100-265Vac	21-42V	600mA

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	265ac	
Frequency Range 频率范围	47Hz	50/60Hz	63Hz	
AC Current 交流电流	-	-	0.5A	-
Inrush Current 浪涌电流	-	-	30A	At 230Vac input, 25℃ cold start 环 温 25℃，230Vac 冷机启动

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◆ 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	52VDC	—	86VDC	GSE-24W250-86
	52VDC	—	86VDC	GSE-24W300-86
	40VDC	—	70VDC	GSE-24W350-70
	21VDC	—	45VDC	GSE-24W500-45
	21VDC	—	42VDC	GSE-24W600-42
Rated Current 额定电流	230mA	250mA	260mA	GSE-24W250-86
	270mA	295mA	310mA	GSE-24W300-86
	330mA	345mA	365mA	GSE-24W350-70
	470mA	490mA	520mA	GSE-24W500-45
	560mA	590mA	620mA	GSE-24W600-42
Rated Power 额定功率			24W	—
Over Voltage 空载电压			120VDC	GSE-24W250-86
				GSE-24W300-86
			100VDC	GSE-24W350-70
			70VDC	GSE-24W500-45
				GSE-24W600-42
Efficiency 效率 At 230Vac input, full load 满载，输入230Vac下测量	≧89%	90.5%	—	GSE-24W250-86
	≧89%	90.3%	—	GSE-24W300-86
	≧89%	90.3%	—	GSE-24W350-70
	≧89%	90.5%		GSE-24W500-45
	≧89%	90.3%		GSE-24W600-42
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%	—
Current Ripple 纹波电流	—	±8%	<±10%	—
Turn-on Delay Time 启动时间	—	0.5S	<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

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■ 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℃	-

■ 安规和电磁兼容：

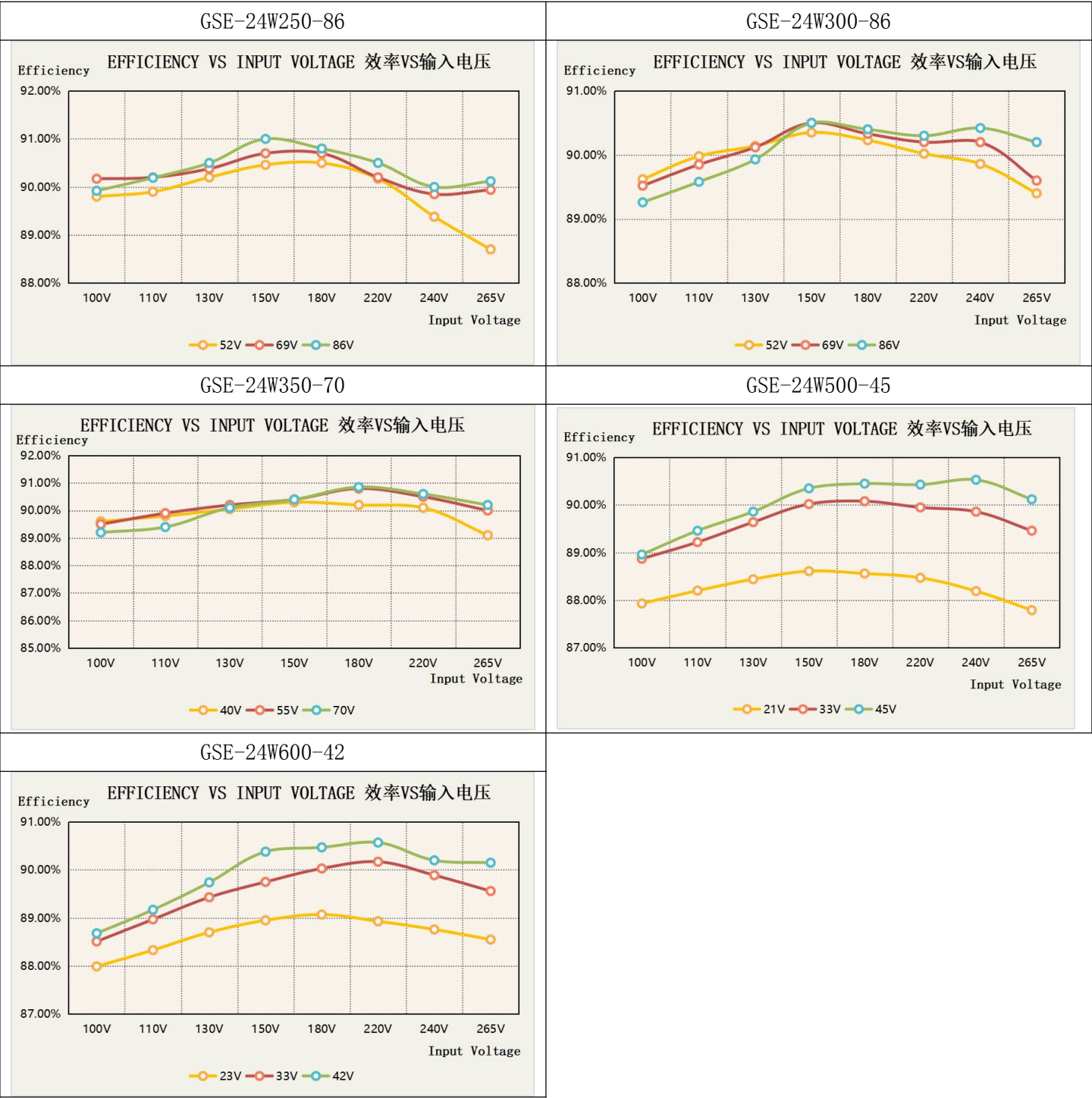
Withstand voltage 耐压	I/P -O/P :1.5KVAC
isolation resistance 绝缘阻抗	≥10MΩ at I/P - FG 500VDC Test
leakage current 漏电流	<0.75mA/277Vac
Earthing resistance 接地电阻	/
Surge 浪涌	L-N +/- 2KV (2 ohm)
conducted electromagnetic interference 传导	/
Radiated electromagnetic interference 辐射	/

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。

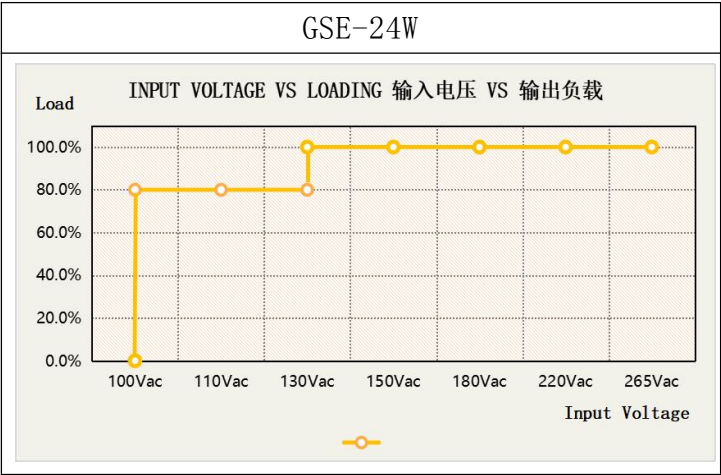
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EFFICIENCY VS INPUT VOLTAGE 效率 VS 输入电压



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INPUT VOLTAGE VS LOADING
输入电压 VS 输出负载



MECHANICAL SPECIFICATION & PACKING 机械尺寸图 & 包装:

Bare plate dimension 裸板尺寸	68*26.5*19mm(L*W*H)
final dimension 成品尺寸	98*32*24mm(L*W*H)
Product Weight	120g

Case No. 机壳型号: 24W Unit 单位:mm

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Nameplate 铭牌

尺寸：80*22mm 样式：贴纸

GSE-24W250-86		GSE-24W300-86																									
SUNCOM GSE-24W250-86 LED控制装置 <table><tr><th>INPUT</th><td>Vin:100-265V~0.5A</td><td>Vout:52-86V = 250mA±5%</td><th>OUTPUT</th></tr><tr><td>○ ACL(BN棕)</td><td>PF:≥0.55 50/60Hz •tc</td><td>Max.Uout: 120V =</td><td>(BK黑)V_o -</td></tr><tr><td>○ ACN(BU蓝)</td><td>ta:65°C tc:90°C</td><td>Rated Power:24W</td><td>(RD红)V_o +</td></tr></table> MADE IN CHINA (中国制造) 广东新创电源科技有限公司 www.gdsuncom.com GUANGDONG SUNCOM POWER TECHNOLOGY CO.,LTD SELV IP65 		INPUT	Vin:100-265V~0.5A	Vout:52-86V = 250mA±5%	OUTPUT	○ ACL(BN棕)	PF:≥0.55 50/60Hz •tc	Max.Uout: 120V =	(BK黑)V _o -	○ ACN(BU蓝)	ta:65°C tc:90°C	Rated Power:24W	(RD红)V _o +	SUNCOM GSE-24W300-86 LED控制装置 <table><tr><th>INPUT</th><td>Vin:100-265V~0.5A</td><td>Vout:52-86V = 300mA±5%</td><th>OUTPUT</th></tr><tr><td>○ ACL(BN棕)</td><td>PF:≥0.55 50/60Hz •tc</td><td>Max.Uout: 120V =</td><td>(BK黑)V_o -</td></tr><tr><td>○ ACN(BU蓝)</td><td>ta:65°C tc:90°C</td><td>Rated Power:24W</td><td>(RD红)V_o +</td></tr></table> MADE IN CHINA (中国制造) 广东新创电源科技有限公司 www.gdsuncom.com GUANGDONG SUNCOM POWER TECHNOLOGY CO.,LTD SELV IP65 		INPUT	Vin:100-265V~0.5A	Vout:52-86V = 300mA±5%	OUTPUT	○ ACL(BN棕)	PF:≥0.55 50/60Hz •tc	Max.Uout: 120V =	(BK黑)V _o -	○ ACN(BU蓝)	ta:65°C tc:90°C	Rated Power:24W	(RD红)V _o +
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GSE-24W350-70		GSE-24W500-45																									
SUNCOM GSE-24W350-70 LED控制装置 <table><tr><th>INPUT</th><td>Vin:100-265V~0.5A</td><td>Vout:40-70V = 350mA±5%</td><th>OUTPUT</th></tr><tr><td>○ ACL(BN棕)</td><td>PF:≥0.55 50/60Hz •tc</td><td>Max.Uout: 100V =</td><td>(BK黑)V_o -</td></tr><tr><td>○ ACN(BU蓝)</td><td>ta:65°C tc:90°C</td><td>Rated Power:24W</td><td>(RD红)V_o +</td></tr></table> MADE IN CHINA (中国制造) 广东新创电源科技有限公司 www.gdsuncom.com GUANGDONG SUNCOM POWER TECHNOLOGY CO.,LTD SELV IP65 		INPUT	Vin:100-265V~0.5A	Vout:40-70V = 350mA±5%	OUTPUT	○ ACL(BN棕)	PF:≥0.55 50/60Hz •tc	Max.Uout: 100V =	(BK黑)V _o -	○ ACN(BU蓝)	ta:65°C tc:90°C	Rated Power:24W	(RD红)V _o +	SUNCOM GSE-24W500-45 LED控制装置 <table><tr><th>INPUT</th><td>Vin:100-265V~0.5A</td><td>Vout:21-45V = 500mA±5%</td><th>OUTPUT</th></tr><tr><td>○ ACL(BN棕)</td><td>PF:≥0.55 50/60Hz •tc</td><td>Max.Uout: 70V =</td><td>(BK黑)V_o -</td></tr><tr><td>○ ACN(BU蓝)</td><td>ta:65°C tc:90°C</td><td>Rated Power:24W</td><td>(RD红)V_o +</td></tr></table> MADE IN CHINA (中国制造) 广东新创电源科技有限公司 www.gdsuncom.com GUANGDONG SUNCOM POWER TECHNOLOGY CO.,LTD SELV IP65 		INPUT	Vin:100-265V~0.5A	Vout:21-45V = 500mA±5%	OUTPUT	○ ACL(BN棕)	PF:≥0.55 50/60Hz •tc	Max.Uout: 70V =	(BK黑)V _o -	○ ACN(BU蓝)	ta:65°C tc:90°C	Rated Power:24W	(RD红)V _o +
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SUNCOM GSE-24W600-42 LED控制装置 <table><tr><th>INPUT</th><td>Vin:100-265V~0.5A</td><td>Vout:21-42V = 600mA±5%</td><th>OUTPUT</th></tr><tr><td>○ ACL(BN棕)</td><td>PF:≥0.55 50/60Hz •tc</td><td>Max.Uout: 70V =</td><td>(BK黑)V_o -</td></tr><tr><td>○ ACN(BU蓝)</td><td>ta:65°C tc:90°C</td><td>Rated Power:24W</td><td>(RD红)V_o +</td></tr></table> MADE IN CHINA (中国制造) 广东新创电源科技有限公司 www.gdsuncom.com GUANGDONG SUNCOM POWER TECHNOLOGY CO.,LTD SELV IP65 		INPUT	Vin:100-265V~0.5A	Vout:21-42V = 600mA±5%	OUTPUT	○ ACL(BN棕)	PF:≥0.55 50/60Hz •tc	Max.Uout: 70V =	(BK黑)V _o -	○ ACN(BU蓝)	ta:65°C tc:90°C	Rated Power:24W	(RD红)V _o +														
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