

SUNCOM 新创电源	产品类型	LED驱动电源 LED INTEGRATED SPECIAL DRIVER		
	产品系列	GSE-30W	REV	V3.0

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-30W系列
Rev. /版本号	V3.0
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

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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 :2 KV

防雷保护: 火线对零线: 2 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 输出电流
GSE-30W750-45	30W	100-265Vac	20-45V	750mA
GSE-30W900-36	30W	100-265Vac	20-36V	900mA

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	-	-	0.65A	
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	20VDC	—	45VDC	GSE-30W750-45
	20VDC	—	36VDC	GSE-30W900-36
Rated Current 额定电流	705mA	740mA	780mA	GSE-30W750-45
	840mA	880mA	920mA	GSE-30W900-36
Rated Power 额定功率	—	—	30W	—
Over Voltage 空载电压			70V	GSE-30W750-45
			60V	GSE-30W900-36
Efficiency 效率 At 230Vac input, full load 满载，输入230Vac下测量	≥89%	89.5%		GSE-30W750-45
	≥89%	89.5%		GSE-30W900-36
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：

Withstand voltage 耐压	I/P-0/P:1.5KVAC
isolation resistance 绝缘阻抗	≧5MΩ at I/P - 0/P 500VDC Test
leakage current 漏电流	<0.75mA/230Vac
Earthing resistance 接地电阻	-
Surge 浪涌	差模 L-N +/- 2KV (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。

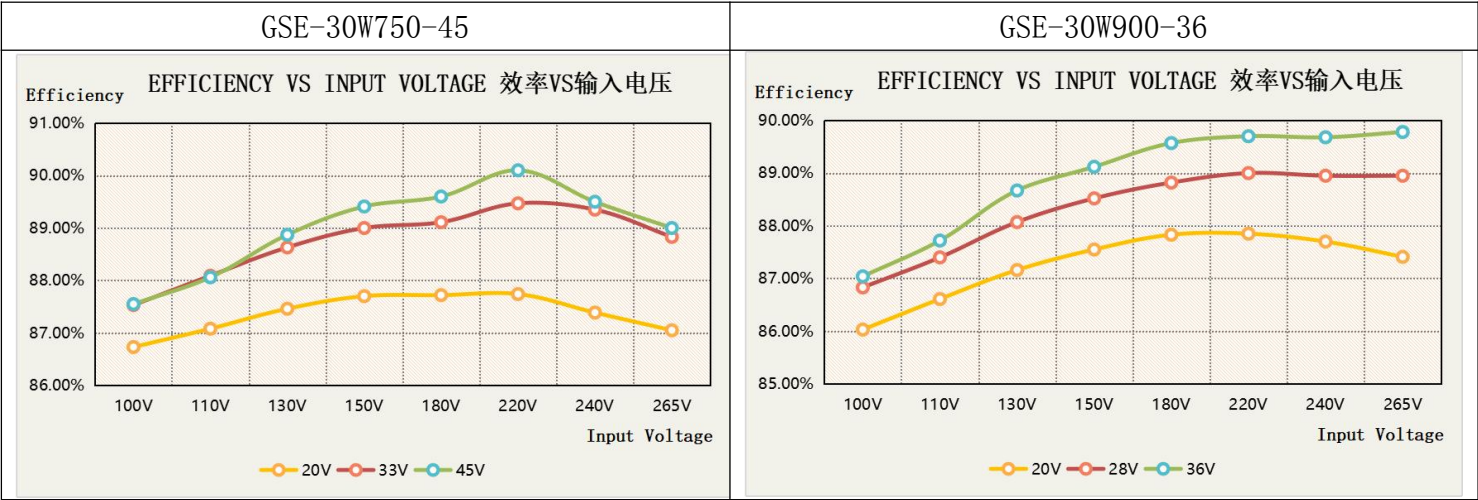
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EFFICIENCY VS INPUT VOLTAGE

效率 VS 输入电压

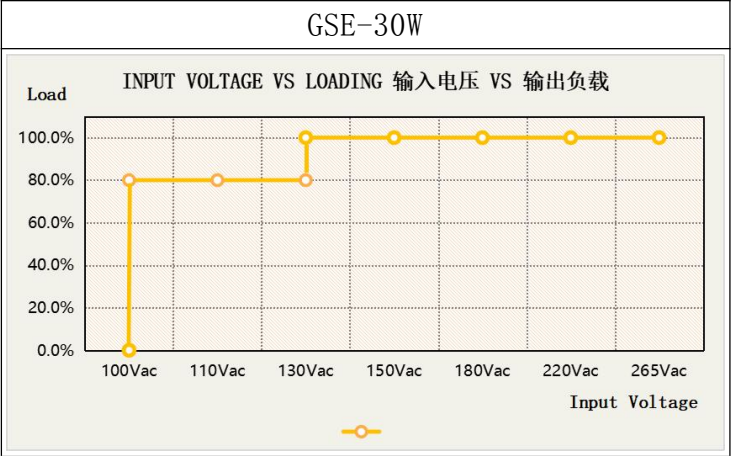
EFFICIENCY VS INPUT VOLTAGE

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	68*26.5*19mm(L*W*H)
final dimension 成品尺寸	98*32*24mm(L*W*H)
Product Weight 产品重量	120g

Case No. 机壳型号: 30W 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: 80*22mm 样式: 贴纸

GSE-30W750-45				GSE-30W900-36			
SUNCOM GSE-30W750-45 LED控制装置				SUNCOM GSE-30W900-36 LED控制装置			
INPUT		Vin:100-265V~0.65A		Vout:20-45V = 750mA±5%		OUTPUT	
○ ACL(BN棕)		PF:≥0.55 50/60Hz •tc		Max.Uout: 70V =		(BK黑)Vo -	
○ ACN(BU蓝)		ta:65°C tc:90°C		Rated Power:30W		(RD红)Vo +	
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			

GSE-30W900-36				GSE-30W750-45			
SUNCOM GSE-30W900-36 LED控制装置				SUNCOM GSE-30W750-45 LED控制装置			
INPUT		Vin:100-265V~0.65A		Vout:20-36V = 900mA±5%		OUTPUT	
○ ACL(BN棕)		PF:≥0.55 50/60Hz •tc		Max.Uout: 60V =		(BK黑)Vo -	
○ ACN(BU蓝)		ta:65°C tc:90°C		Rated Power:30W		(RD红)Vo +	
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			