

SUNCOM 新创电源	产品类型	LED 驱动电源 LED INTEGRATED SPECIAL DRIVER		
	产品系列	GSE-20W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-20W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

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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 :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-20W450-45	20W	100-265Vac	20-45V	450mA
GSE-20W500-40	20W	100-265Vac	20-40V	500mA
GSE-20W600-36	20W	100-265Vac	20-36V	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	265Vac	
Frequency Range 频率范围	47Hz	50/60Hz	63Hz	
AC Current 交流电流	-	-	0.4A	
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	20VDC	-	45VDC	GSE-20W450-45
	20VDC	-	40VDC	GSE-20W500-40
	20VDC	-	36VDC	GSE-20W600-36
Rated Current 额定电流	420mA	445mA	470mA	GSE-20W450-45
	475mA	490mA	525mA	GSE-20W500-40
	560mA	590mA	620mA	GSE-20W600-36
Rated Power 额定功率	-	-	20W	-
Over Voltage 空载电压			70V	GSE-20W450-45
				GSE-20W500-40
			60V	GSE-20W600-36

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Efficiency 效率 At 230Vac input, full load 满载，输入230Vac下测量	≥88%	88.4%		GSE-20W450-45	
	≥88%	88.5%		GSE-20W500-40	
	≥88%	88.2%		GSE-20W600-36	
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	-	±10%	<±15%	-	
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	

■ 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)

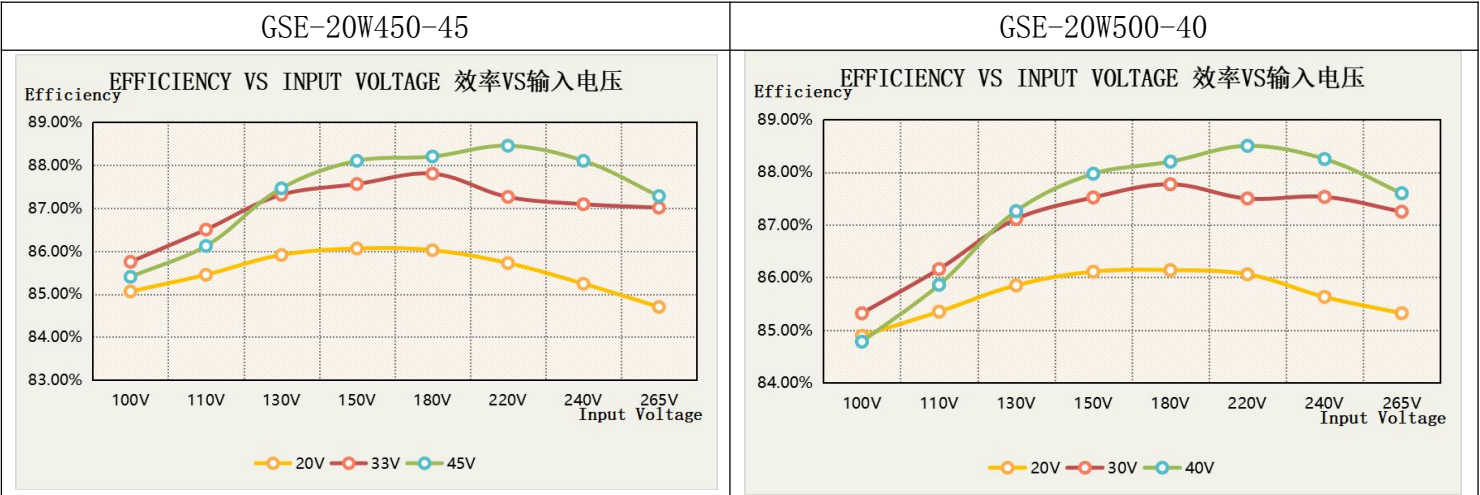
NOTE:

- 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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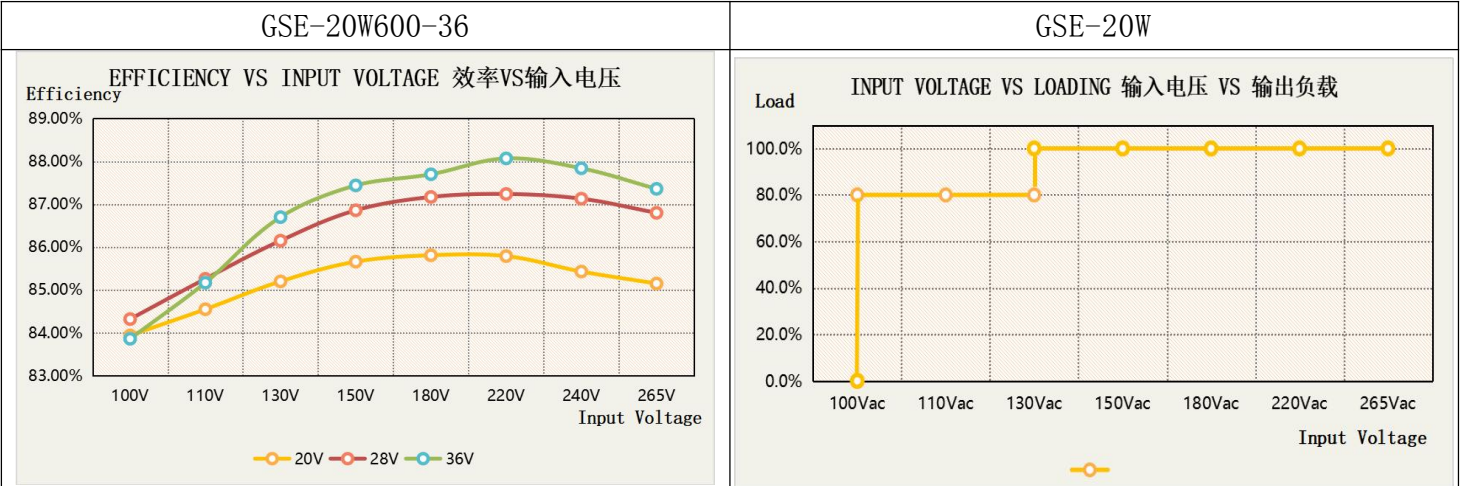
■ EFFICIENCY VS INPUT VOLTAGE ■ EFFICIENCY VS INPUT VOLTAGE

效率 VS 输入电压 效率 VS 输入电压



■ EFFICIENCY VS INPUT VOLTAGE ■ INPUT VOLTAGE VS LOADING

效率 VS 输入电压 输入 电压 VS 输出负载



SUNCOM GSE-20W600-36 LED控制裝置			
INPUT			OUTPUT
○ ACL(BN棕)	Vin:100-265V~0.4A	Vout:20-36V = 600mA±5%	(BK黑)Vo -
○ ACN(BU藍)	PF:≥0.5 50/60Hz	Max.Uout: 60V =	(RD紅)Vo +
	ta:65°C tc:90°C •tc	Rated Power:20W	
MADE IN CHINA (中國製造)		SELV IP65	 