	Product Type	LED INTEGRATED SPECIAL DRIVER		
	Product Series	GSE-12W Series	REV	V2.0

SPECIFICATION FOR APPROVAL

CUSTOMER:	
MODEL NO.:	GSE-12W SERIES
Rev.	V2.0
SAMPLE DATE:	

Customer Confirmation

TESTED BY	CHECKED BY	APPROVED BY
Notes		

Please return to us one copy of “SPECIFICATION FOR APPROVAL” with you approved signature..

SUNCOM Confirmation


TESTED BY	CHECKED BY	APPROVED BY

Guangdong Suncom Power Technology Co., Ltd

No.1 of Yongyi 3rd Road Henglan Town Zhongshan Guangdong China Post code: 528478

TEL:0760-22326609 28168136 FAX:0760-87600929



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■ CHANGE HISTORY

[illegible]



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◆ Features:

- Input Rated voltage: 100-277Vac 50Hz/60Hz
- Isolation, constant current mode output
- Surge protection: L-N :1.5KV

◆ Applications :

Application: Down lamp, panel light or other lighting lamps

◆ Description:

This product is a constant current drive power supply, specially designed for LED. Built-in surge protection, output open circuit, short circuit protection have greatly improved the safety and reliability of the product.

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■ MODEL LIST

Model	Rated Power	Input Voltage	Output Voltage	Output Current
GSE-12W300-42	12W	100-277Vac	23-42V	0.30A
GSE-12W250-42	12W	100-277Vac	23-42V	0.25A

NOTE: All parameters NOT special mentioned are measured at 230Vac input, rated load, and 25°C ambient temperature .

■ ELECTRICAL SPECIFICATION

◆ Input performance:

Parameter	Min.	Typ.	Max.	Notes
Voltage Range	100Vac	110-240Vac	277Vac	
Frequency Range	47Hz	50/60Hz	63Hz	
AC Current	-	-	0.25A	
Inrush Current	-	-	30A	At 230Vac input,25°C cold start

◆ Output performance

Parameter	Min.	Typ.	Max.	Notes.
Voltage Range	23VDC	-	42VDC	GSE-12W300-42
				GSE-12W250-42
Rated Current	270MA	290MA	310MA	GSE-12W300-42
	235MA	250MA	265MA	GSE-12W250-42
Rated Power	-	-	12W	-
Non Load Voltage	55V	-	70V	GSE-12W300-42
				GSE-12W250-42
Efficiency	≧85%	86%	-	Measured at 230Vac input,full load
Current Tolerance	-5%	-	+5%	-
Line Regulation	-3%	-	+3%	-
Load Regulation	-3%	-	+3%	-
Current Ripple	-	±8%	<±10%	-
Turn-on Delay Time	-	200mS	<1S	Measured at full load and 230Vac input
Short Circuit Protection	-	-	1W	Hiccup mode,recovers automatically after fault condition is removed

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■ Environment

Parameter	Min.	Typ.	Max.	Notes.
Working TEMP	-40℃	+25℃	+65℃	-
Storage TEMP	-40℃	+25℃	+85℃	-
Working Humidity	20% RH	-	90% RH	-
Storage Humidity	10% RH	-	90% RH	-
Maximum Shell TEMP	-	-	+90℃	-

■ Safety Parameters:

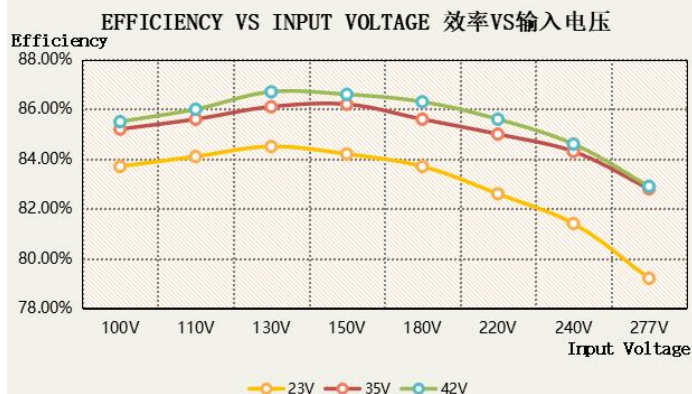
Withstand voltage	I/P-O/P:1.5KVAC
Isolation resistance	$\geq 5M\Omega$ at I/P - O/P 500VDC Test
Leakage current	<0.75mA/230Vac
Earthing resistance	-
Surge	Differential mode L-N +/- 1.5KV (2 ohm)

NOTE:

- 1) All parameters NOT special mentioned are measured at 230Vac (50Hz) input, rated load, and 25℃ ambient temperature .
- 2) Tolerance:includes set up tolerance,lineregulation and load regulation.

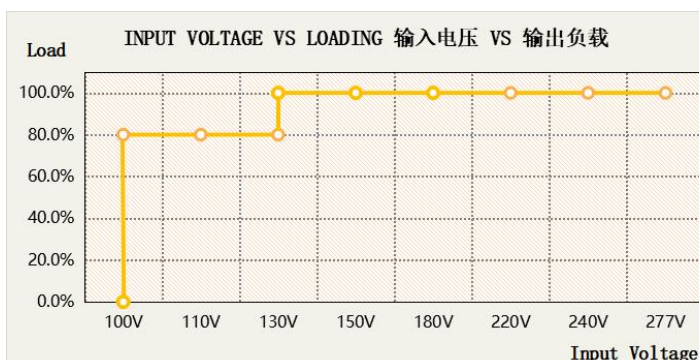
Efficiency VS Input Voltage

GSE-12W300-42



Input Voltage VS Loading

GSE-12W300-42



MECHANICAL SPECIFICATION & PACKING :

Bare Plate Dimension	39*25*17mm(L*W*H)
Final Dimension	68*30*20mm(L*W*H)
Product Weight	60g

Case No.: 12W Unit:mm

BROWN : L
 GREEN/YELLOW : PE
 BLUE : N
 BLACK : V-
 RED : V+

Nameplate

Dimension: 54*22mm Style: Sticker

GSE-12W300-42	GSE-12W250-42
<p>SUNCOM® GSE-12W300-42</p> <p>Input:100-277VAC Output:23-42VDC</p> <p>0.25A Max 50/60Hz 300mA±5%</p> <p>ta:65℃ tc:90℃ •tc Rated Power : 12W</p> <p>SELV IP65</p>	<p>SUNCOM® GSE-12W250-42</p> <p>Input:100-277VAC Output:23-42VDC</p> <p>0.25A Max 50/60Hz 250mA±5%</p> <p>ta:65℃ tc:90℃ •tc Rated Power : 12W</p> <p>SELV IP65</p>