

SUNCOM	Product Type	LED INTEGRATED SPECIAL DRIVER		
	Product Series	GSE-30W SERIES	REV	V2.0

SPECIFICATION FOR APPROVAL

CUSTOMER:	
MODEL NO.:	GSE-30W SERIES
Rev.	V2.0
SAMPLE DATE:	

Customer Confirmation

TESTED BY	CHECKED BY	APPROVED BY
Note		

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

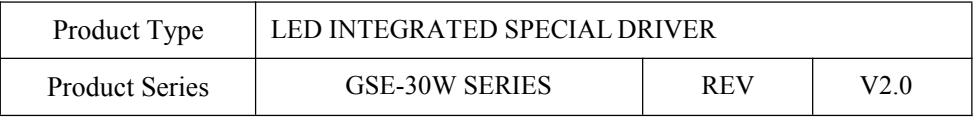
SUNCOM Confirmation

TESTED BY	CHECKED BY	APPROVED BY

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◆ Features :

- Input Rated voltage : 100-277Vac 50Hz/60Hz
- Isolation, constant current mode output
- Ultra high efficiency (up to 88%)
- Surge protection: L-N :2KV

◆ Applications:

Application: Down light, panel light, wash wall light, guide rail light and other lighting lamps

◆ Description :

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

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■ MODELLIST

Model	Rated Power	Input Voltage	Output Voltage	Output Current
GSE-30W900-35	30W	100-277Vac	22-35V	900mA
GSE-24W600-42	24W	100-277Vac	23-42V	600mA
GSE-24W300-84	24W	100-277Vac	54-84V	300mA

NOTE: Unless specified, all parameters are measured at 230Vac input, rated load, and 25°C ambient temperature .

■ ELECTRICALSPECIFICATION

◆ Input performance:

Parameter	Min.	Typ.	Max.	Notes.
Voltage Range	100Vac	110-240Vac	277Vac	
Frequency Range	47Hz	50/60Hz	63Hz	
AC Current	-	-	0.65A	GSE-30W900-35
	-	-	0.5A	GSE-24W600-42
	-	-	0.5A	GSE-24W300-84
Inrush Current	-	-	30A	At 230Vac input,25°C cold start

◆ Output performance

Parameter	Min.	Typ.	Max.	Notes.
Voltage Range	22VDC	-	35VDC	GSE-30W900-35
	23VDC	-	42VDC	GSE-24W600-42
	54VDC	-	84VDC	GSE-24W300-84
Rated Current	840mA	880mA	920mA	GSE-30W900-35
	560mA	590mA	620mA	GSE-24W600-42
	270mA	290mA	310mA	GSE-24W300-84
Rated Power	-	-	30W	GSE-30W900-35
	-	-	24W	GSE-24W600-42
	-	-	24W	GSE-24W300-84
Over Voltage	42VDC	-	50VDC	GSE-30W900-35
	48VDC	-	55VDC	GSE-24W600-42
	95VDC	-	105VDC	GSE-24W300-84



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Efficiency At 230Vac input,full load	$\geq 88\%$	89.0%	-	GSE-30W900-35
	$\geq 89\%$	89.5%	-	GSE-24W600-42
	$\geq 89\%$	89.6%	-	GSE-24W300-84
Current Tolerance	-5%	-	+5%	-
Line Regulation	-5%	-	+5%	-
Load Regulation	-5%	-	+5%	-
Current Ripple	-	$\pm 6\%$	$< \pm 10\%$	-
Turn-on Delay Time	-	0.6S	$< 1S$	Measured at full load and 230Vac input
Short Circuit Protection	-	-	$< 1W$	Hiccup mode,recovers automatically after fault condition is removed

Environment

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

Safety Regulations and EMC:

Withstand voltage	I/P -O/P :1.5KVAC
Isolation resistance	$\geq 10M\Omega$ at I/P - FG 500VDC Test
Leakage current	$< 0.75mA/277Vac$
Earthing resistance	/
Surge	L-N +/- 2KV (2 ohm)
Conducted electromagnetic interference	/
Radiated electromagnetic interference	/

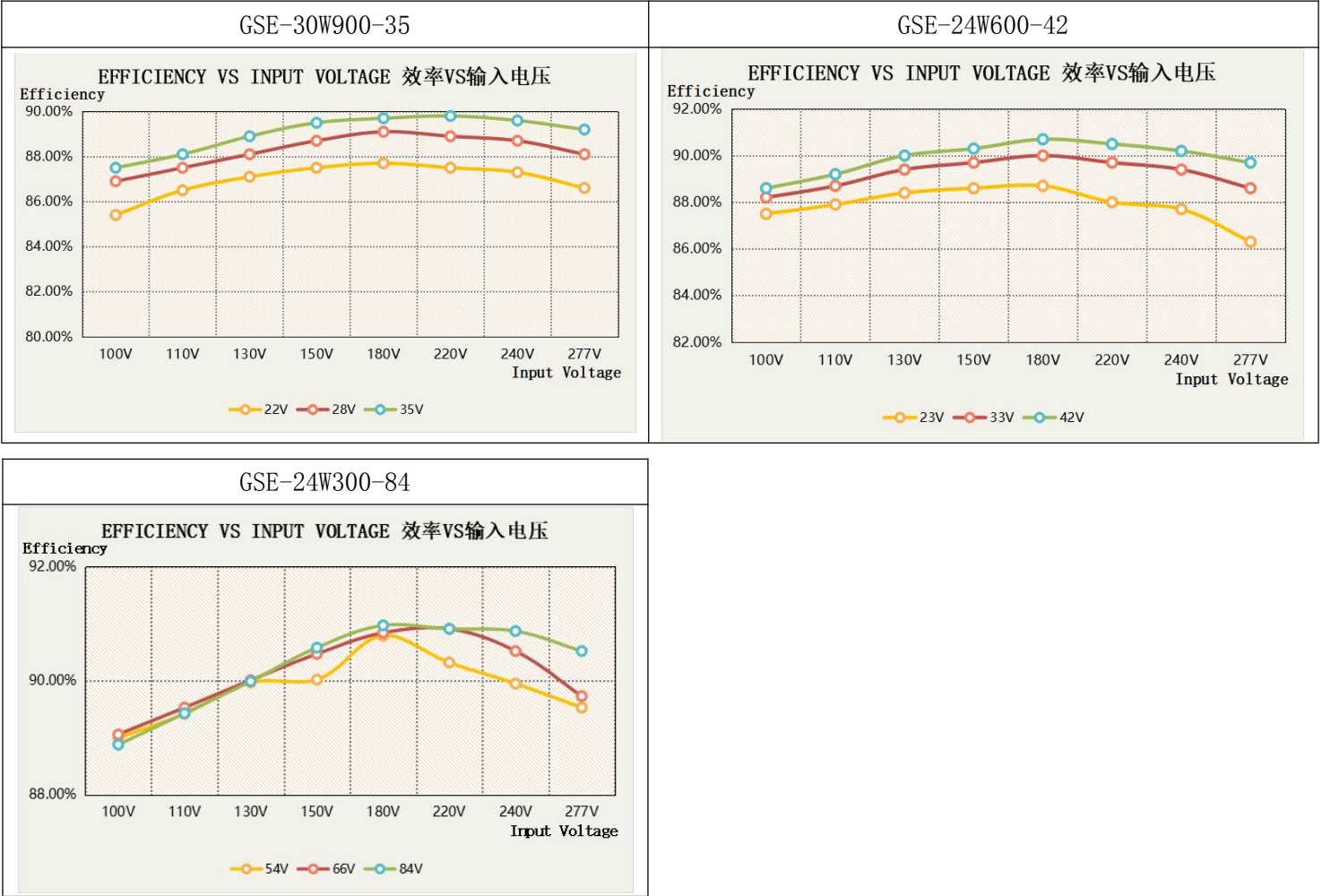
NOTE:

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



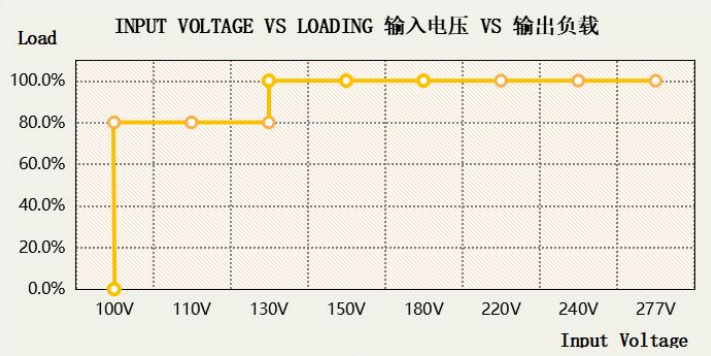
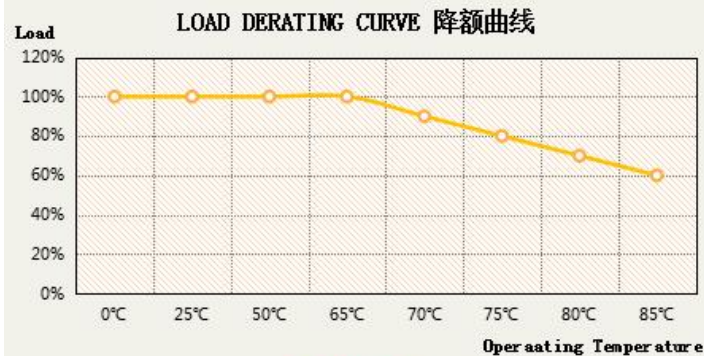
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■ EFFICIENCY VS INPUT VOLTAGE



LOAD DERATING CURVE

INPUT VOLTAGE VS LOADING



MECHANICAL SPECIFICATION & PACKING :

Bare Plate Dimension	70*26*18mm(L*W*H)
Final Dimension	96*30*20mm(L*W*H)
Product Weight	100g
<p>Case No.: 30W Unit: mm</p> <p> BROWN : L GREEN/YELLOW : \oplus BLUE : N </p> <p> BLACK : V- RED : V+ </p> <p> Dimensions: 92.5, 84, 30, 380.0±10, 50.0±10, 5.0±1, 225.0±10, 5.0±1, 96, 20, $\phi 3.0$ </p>	

Nameplate

Dimension: 82*22mm Style: sticker

<p>GSE-30W900-35</p> <p> SUNCOM® GSE-30W900-35 Input:100-277VAC 0.65A Max 50/60Hz ta:65°C tc:90°C Output:22-35VDC 900mA±5% Rated Power : 30W SELV IP65 </p>	<p>GSE-24W600-42</p> <p> SUNCOM® GSE-24W600-42 Input:100-277VAC 0.5A Max 50/60Hz ta:65°C tc:90°C Output:23-42VDC 600mA±5% Rated Power : 24W SELV IP65 </p>
<p>GSE-24W300-84</p> <p> SUNCOM® GSE-24W300-84 Input:100-277VAC 0.5A Max 50/60Hz ta:65°C tc:90°C Output:54-84VDC 300mA±5% Rated Power : 24W SELV IP65 </p>	