

GLEC-S-30-XXX F

30W Constant Current Standard Series

Constant current LED driver that operates from 176-264Vac input with 300 to 900mA output current. With it's compact dimensions from 116 x 42.5 x 28mm it is easy to integrate in LED Panel and down light products. To ensure trouble-free operation, protection is provided against output short circuit and over Load.

Application

- ◆ LED strip
- ◆ LED panel
- ◆ LED down light
- ◆ LED spot light



Features

- ◆ Flicker
- ◆ Class II, SELV, independent
- ◆ Protections: SCP/OLP/OVP
- ◆ Power Factor >0.95
- ◆ Efficiency ≥88%.
- ◆ 5 Year Warranty.

Technical data

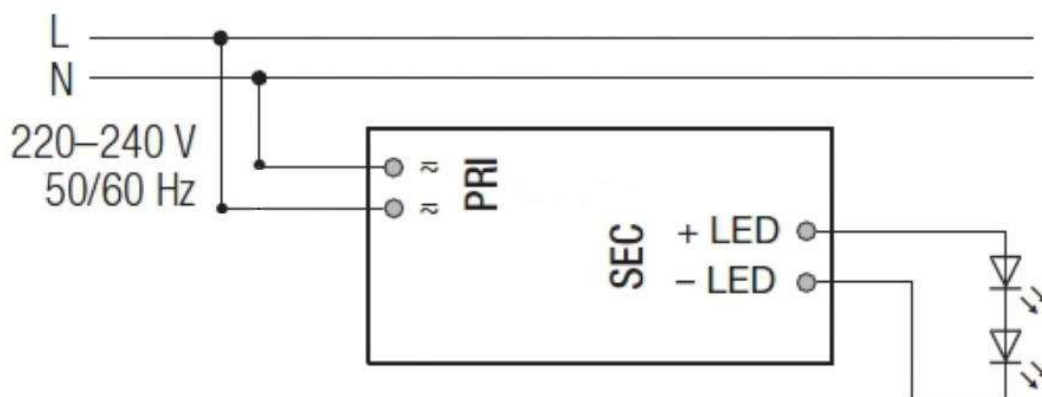
	Rated input voltage	220-240VAC				
Input	Range of input voltage	176-264VAC				
	DC voltage range	176-280V				
	Frequency(Hz)	0/50/60 Hz				
	Power Factor	>0.95@220-240Vac, full load				
	Input Current max	0.24A MAX. @Full Load,176Vac				
	Start-up time	< 0.5s				
	Unload Power Consumption	≤0.5W				
	Inrush Current	20A Max.				
Output	Constant Current Max	300mA	500mA	700mA	...	900mA
	No load voltage Max.	115VDC	70VDC	50VDC	...	43VDC
	Voltage Range(VDC)	67-100VDC	36-60VDC	25-43VDC	...	19.5-34VDC
	Rated power	30W Max.	30W Max.	30.1W Max.	...	30.6W Max.
	Load Regulation	±5%				
	Hold-up Time	1s max.@Full Load				
	Efficiency(Typ.)	≥88%				
Protection	Over Load Protection	103-120%				
		Protection type: Auto Resume				
	Over Voltage Protection	> 115VDC	> 70VDC	> 50VDC	...	> 43VDC
		Protection type: Auto Resume				
Environment	Short circuit Protection	Protection type: Auto Resume				
	Operating Temperature	-20°C...+45°C				
	tc	85°C				
	Storage Temperature	-25°C...+60°C				
	Life time	>30,000H@ta=45°C				
Safety & EMC	Humidity	10%-90%RH				
	Safety standards	EN 61347-1; EN61347-2-13; EN62384				
	Withstand voltage	Input-Output : 3750V/5mA/1min				
	EMI	EN55015; EN61000-3-2 Class C; EN61000-3-3				
	EMS	EN 61547; EN 61000-4-2; EN 61000-4-5 — 1000V;				
Note	Dimension	116X42.5X28(LXWXH)mm				
	Ripple and noise are measured at 20MHZ of bandwidth by using a 300mm twisted pair-wire terminated					
	All parameters NOT specially mentioned are measured at 240VAC input, full load and 25C of ambient temperature.					

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Model List

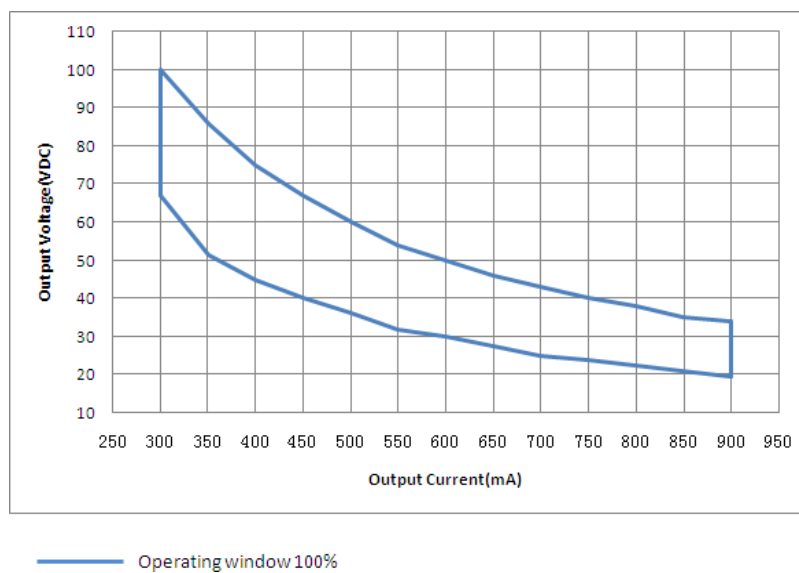
No.	Model number	Input			Output			
		Voltage (VAC)	Max. Current(A)	Frequency (Hz)	Constant current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)	Max. Power(W)
1	GLEC-S-30-300 F	220-240	0.24	50/60	300	67-100	115	30
2	GLEC-S-30-350 F	220-240	0.24	50/60	350	51.5-86	96	30.1
3	GLEC-S-30-400 F	220-240	0.24	50/60	400	45-75	85	30
4	GLEC-S-30-450 F	220-240	0.24	50/60	450	40-67	77	30.2
5	GLEC-S-30-500 F	220-240	0.24	50/60	500	36-60	70	30
6	GLEC-S-30-550 F	220-240	0.24	50/60	550	32-54	64	29.7
7	GLEC-S-30-600 F	220-240	0.24	50/60	600	30-50	60	30
8	GLEC-S-30-650 F	220-240	0.24	50/60	650	27.5-46	56	29.9
9	GLEC-S-30-700 F	220-240	0.24	50/60	700	25-43	50	30.1
10	GLEC-S-30-750 F	220-240	0.24	50/60	750	24-40	50	30
11	GLEC-S-30-800 F	220-240	0.24	50/60	800	22.5-38	48	30.4
12	GLEC-S-30-850 F	220-240	0.24	50/60	850	21-35	45	29.8
13	GLEC-S-30-900 F	220-240	0.24	50/60	900	19.5-34	43	30.6

Wiring diagram



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Operating window



Dimensions

