

40W Constant Current Standard Series

Constant current LED driver that operates from 176-264Vac input with 500 to 1050mA 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



CE SELV  

Features

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

Technical data

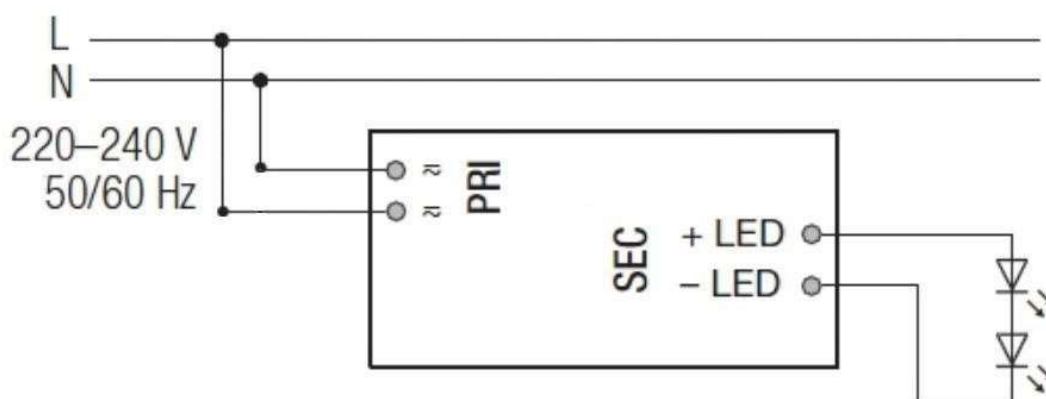
	Rated input voltage	220-240VAC				
Input	Range of input voltage	176-264VAC				
	DC voltage range	176-280V				
	Frequency(Hz)	0/50/60 Hz				
	Power Factor	> 0.95@220-240Vac, Full load				
	Input Current max	0.31A MAX. @Full Load,176Vac				
	Start-up time	< 0.5S				
	Unload Power Consumption	≤0.5W				
	Inrush Current	20A Max.				
	Output	Constant Current Max.	500mA	700mA	900mA	...
No load voltage Max.		90VDC	63VDC	54VDC	...	48VDC
Output Voltage Range		48-80VDC	32-56VDC	25-44.5VDC	...	23-40VDC
Rated power		40W Max.	39.2W Max.	40.1W Max.	...	42W 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	> 90VDC	> 63VDC	> 54VDC	...	> 48VDC
		Protection type: Auto Resume				
	Short circuit Protection	Protection type: Auto Resume				
	Over Temperature protection	NA				
Environment	Operating Temperature	-20°C....+45°C				
	tc	85°C				
	Storage Temperature	-25°C...+60°C				
	Life time	>30,000H@ta=45°C				
	Humidity	10%-90%RH				
Safety & EMC	Safety standards	EN 61347-1; EN61347-2-13;				
	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;				
	Dimension	116X42.5X28(LXWXH)mm				
Note	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.					

GLEC-S-40-XXX F

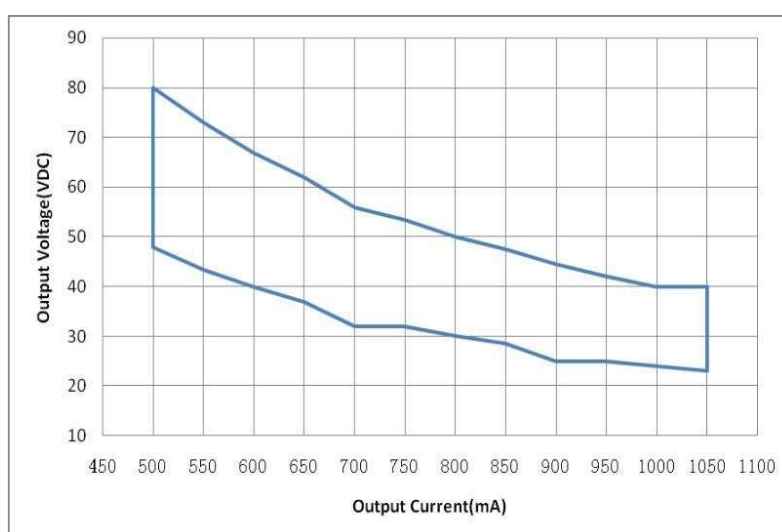
Model List

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-40-500 F	220-240	0.24	50/60	500	48-80	90	40
2	GLEC-S-40-550 F	220-240	0.24	50/60	550	43.5-73	83	40.2
3	GLEC-S-40-600 F	220-240	0.24	50/60	600	40-67	77	40.2
4	GLEC-S-40-650 F	220-240	0.24	50/60	650	37-62	72	40.2
5	GLEC-S-40-700 F	220-240	0.24	50/60	700	32-56	63	39.2
6	GLEC-S-40-750 F	220-240	0.24	50/60	750	32-53.5	63	40.1
7	GLEC-S-40-800 F	220-240	0.24	50/60	800	30-50	60	40
8	GLEC-S-40-850 F	220-240	0.24	50/60	850	28.5-47.5	58	40.4
9	GLEC-S-40-900 F	220-240	0.24	50/60	900	25-44.5	54	40.1
10	GLEC-S-40-950 F	220-240	0.24	50/60	950	25-42	50	39.9
11	GLEC-S-40-1000 F	220-240	0.24	50/60	1000	24-40	50	40
12	GLEC-S-40-1050 F	220-240	0.24	50/60	1050	23-40	48	42

Wiring diagram



Operating window



Dimensions

