

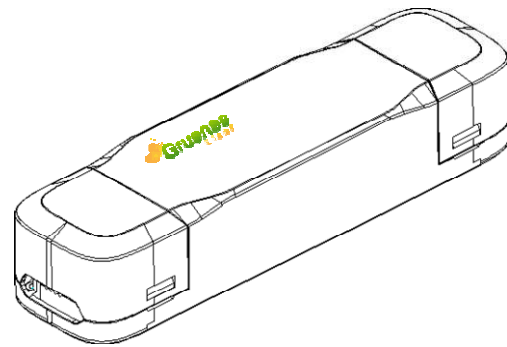
GLEC-S-50-XXX F S

50W Constant Current Standard Series

Constant current LED driver that operates from 176-264Vac input with 600 to 1400mA output current. With it's compact dimensions from 142 x 45 x 30mm 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 panel
- ◆ LED down light
- ◆ LED spot light
- ◆ COB light



Features

- ◆ Flicker
- ◆ Class II, SELV
- ◆ Protections: SCP/OLP/OVP
- ◆ PowerFactor > 0.9
- ◆ Efficiency ≥ 90%.
- ◆ 5 Year Warranty.

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Technical data

	Rated input voltage	220-240VAC					
Input	Range of input voltage	176-264VAC					
	Frequency(Hz)	50/60 Hz					
	Power Factor	≥0.9@220-240VAC					
	Input Current max	0.39A MAX					
	Start-up time	<0.5S					
	Unload Power Consumption	≤0.5W					
	Inrush Current	20A MAX. @Full Load,240VAC					
	Output	Constant Current	600mA	700mA	1000mA	1200mA	...
No load voltage Max.		91VDC	80VDC	58VDC	49VDC	...	44VDC
Output Voltage Range		50-83.5VDC	42.5-71.5VDC	30-50VDC	25-42VDC	...	21.5-36VDC
Rated Power		50.1W Max.	50.1W Max.	50W Max.	50.4W Max.	...	50.4W Max.
Load Regulation		≤3%					
Hold-up Time		1s max.@Full Load					
Efficiency		≥91%	≥91%	≥90%	≥90%	...	≥90%
Protection	Over Load Protection	105-120%					
		Protection type: Auto Resume					
	Over Voltage Protection	>91VDC	>80VDC	>58VDC	>49VDC	...	>44VDC
		Protection type: Auto Resume					
	Short circuit Protection	Protection type: Auto Resume					
Environment	Operating Temperature	-10°C...+40°C					
	tc	75°C					
	Storage Temperature	-20°C...+60°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 — Performance Criteria B; EN 61000-4-5 — 1000V; Performance Criteria C					
	Dimension	142X45X30(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.						

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Model List

MODEL	INPUT	OUTPUT			
		VOLTAGE (VDC)	MAX.V DC	CURRENT(MA)	POWER(VA)
GLEC-S-50-600 F S	220 - 240VAC,50/6 OHZ, 0.39AMAX	50-836.5	91	600	50.1
GLEC-S-50-650 F S		46.0-77.0	85	650	50.1
GLEC-S-50-700 F S		42.5-71.5	80	700	50.1
GLEC-S-50-750 F S		40.0-67.0	75	750	50.3
GLEC-S-50-800 F S		37.5-62.5	70	800	50
GLEC-S-50-850 F S		35.0-59.0	66	850	50.2
GLEC-S-50-900 F S		33.5-56.0	63	900	50.4
GLEC-S-50-950 F S		31.5-53.0	61	950	50.4
GLEC-S-50-1000 F S		30.0-50.0	58	1000	50
GLEC-S-50-1050 F S		28.5-48.0	56	1050	50.4
GLEC-S-50-1100 F S		27.0-45.5	50	1100	50.1
GLEC-S-50-1150 F S		26.0-43.5	50	1150	50
GLEC-S-50-1200 F S		25.0-42.0	49	1200	50.4
GLEC-S-50-1250 F S		24.0-40.0	48	1250	50
GLEC-S-50-1300 F S		23.0-38.5	46	1300	50.1
GLEC-S-50-1350 F S		22.0-37.0	45	1350	50
GLEC-S-50-1400 F S	21.5-36.0	44	1400	50.4	

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Dimensions

