

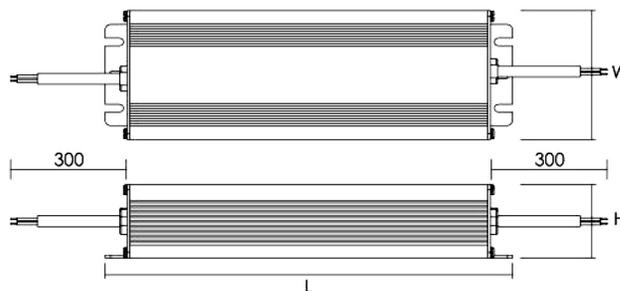
118834

LED driver constant voltage IP67 48V 200W Dimmable



Features

- Independent design
- Dimmable constant voltage driver
- Flicker-free
- Adopt PWM dimming method
- Dimming with leading edge or trailing edge dimmer
- Smooth dimming compatible with most dimmer
- Dimming range 10...100%
- Primary and secondary sides come with leads
- Differential mode 4kV and common mode 6kV surge immunity
- Protections: opencircuit, shortcircuit, overload, over temperature
- SELV equivalent
- Protection class I
- IP67 design



Applications

- Office
- Shop
- Hospitality
- Public areas

Approbations & Certifications

CE, CB

Housing properties

- Housing material: aluminium.
- Type of protection IP67



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Electrical Specifications

Type		Unit	V2-200-48T V2.0
INPUT	Nominal voltage	V	220 – 240
	Nominal frequency	Hz	50 / 60
	AC voltage range	V	198 – 264
	DC voltage range	V	N/A
	Nominal current	A	1.2
	THD (Full load)	%	≤ 15
	Power factor (Full load)		0.95
	Efficiency (Full load)	%	89
	Turn on time	ms	≤ 500
	No load	W	N/A
	Protection class		I
	Inrush current(Cold start)	A pk	75 (th = 300 μs)
	Max.units per circuit breaker		B10:2 B13:3 B16:3 B20:4 C10:4 C13:6 C16:7 B20:9
	OUTPUT	Nominal voltage	V
Maximum voltage(Open Circuit)		Vdc	≤ 55
Nominal current range		A	1.38 – 4.16
Voltage accuracy		%	+/- 5
Voltage ripple ≤120Hz		%	≤ 3
Pst LM			≤ 1
SVM			≤ 0.4
Nominal power range		W	66 – 200
Maximum power		W	200
Galvanic isolation			SELV
ENVIRONMENT		Ambient temperature range ta	°C
	Maximum case temperature tc	°C	80
	Max. Case temp. In fault condition	°C	110
	Storage temperature range	°C	-20 ...+70
	Relative humidity	%	5 ... 85 (Not condensing)
	Surge transient protection	kV	4 6 (L/N LN/PE acc to. EN 61547 Clause 5.7)
	Environmental rating		Outdoor
	IP rating		IP 67
	Mains switching cycles		> 100,000
	Expected lifetime	h	50,000 (0.2% / 1'000 h failure rate)

*All parameters NOT specially mentioned are measured at 230VAC input ,rated current and 25°C of ambient temperature

Protections

Over temperature

Yes

Over load

Yes

No load

Yes

Short circuit

Yes

Input overvoltage

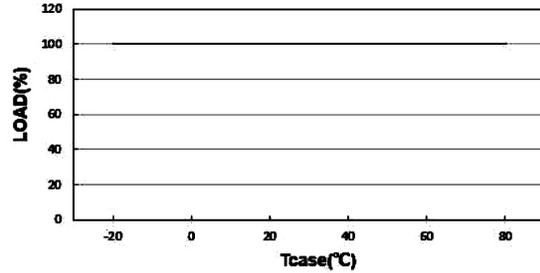
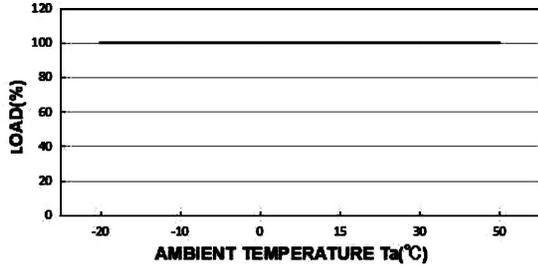
Maximum allowed input voltage 264V AC

Output overvoltage

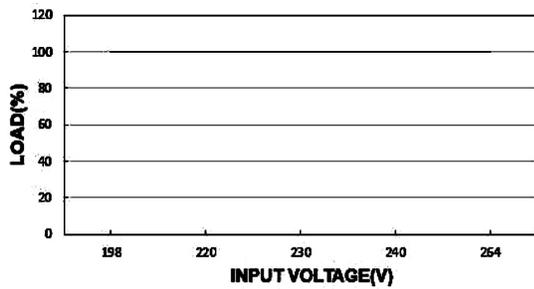
Yes, Limitation of Output voltage ≤ 55V

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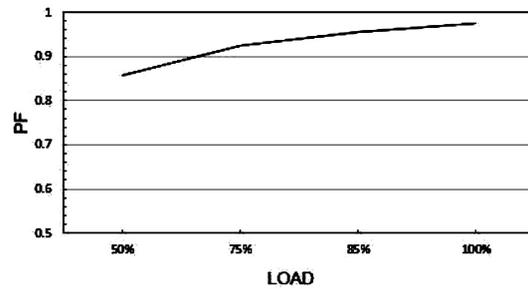
OUTPUT LOAD vs TEMPERATURE



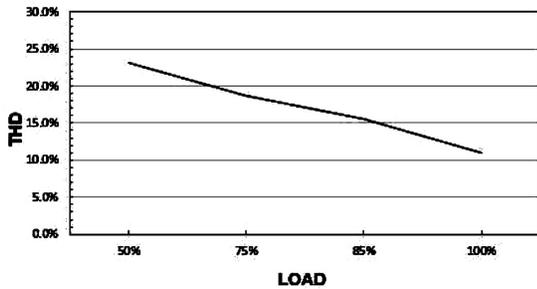
STATIC CHARACTERISTIC



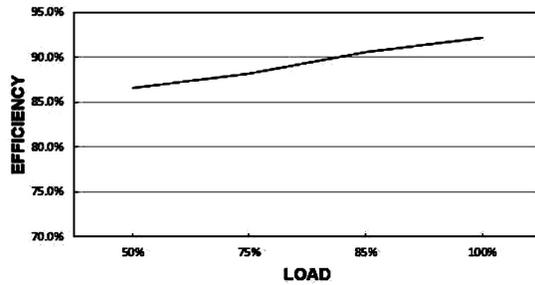
POWER FACTOR (PF) CHARACTERISTIC



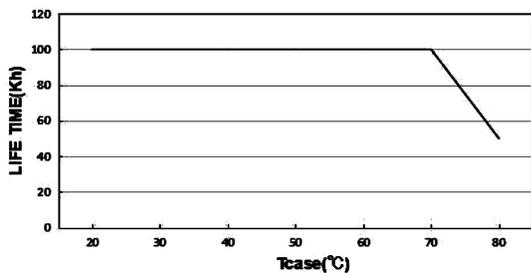
TOTAL HARMONIC DISTORTION (THD)



EFFICIENCY vs LOAD



LIFE TIME

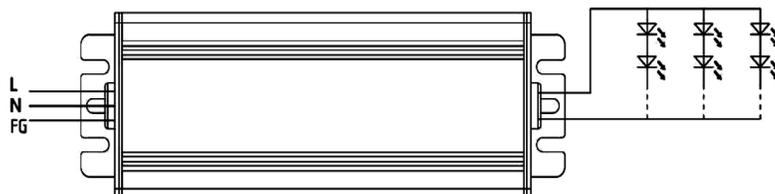


*The graph is for reference only, and the detailed values refer to the parameter table

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Wiring Diagram

Max. cable length - system:	2 m
Dimensions(LxWxH):	249 x 72 x 40 mm
Mounting hole spacing, length:	237 x 36 mm
Wire length:	300 ± 10 mm
Weight:	1250 ± 65 g



Input Wire: H05RN-F VDE 3x1.0mm²; Output Wire: H05RN-F VDE 2x1.0mm².

Hot plug-in or secondary switching of LEDs is not permitted and may cause a very high current to the LEDs.

Remarks

-Touch current: lower than 0.7 mA, according to EN 60598-1 annex. G and EN 61347-1 annex A

Standards

EN 61347-1
EN 61347-2-13
EN 62384
EN 55015
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 60598-1
IEE1789
(EU) 2019/2020

Manufacturer's address:

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www.actec.com.cn