

SPECIFICATION

HTJ Series

Phase Dimming LED DRIVER

MODEL NO.: KS-200AW-48T#

DESIGN NO.: KS200W

VERSION NO.: 001



■ Features

- Universal AC input voltage 100-277VAC
- Efficiency up to 90%
- Dimming Range:0-100%
- High power factor, $PF \geq 0.95$
- Single channel & constant voltage mode and PWM style output
- Protection: OCP, OVP, SCP, OTP
- TRIAC dimming
- Compatible with Forward phase, Reverse phase, Triac, MLV, ELV Dimmers
- Flicker free
- 5 years warranty
- IP65 IP67 Rated Enclosure for Indoor and Outdoor Use
- Available with or without integrated Junction Box
- UL/cUL, RoHS, CE, ENEC, GS, Class P, Type HL Approved

200W Phase Dimming LED DRIVER

48VDC



DIM DOWN TO 0.1%



CLASS P TYPE HL RoHS

Description

KS-200AW HTJ Series is one 200W LED variable AC-DC driver, with constant voltage output design as the main characteristics. This HTJ series model can work at input voltage 100~277 VAC, and provide a variety of rated output voltage between 12V, 24V, 36V, 48V..It is created for many lighting applications including advertising sign 、 led light-box.The high efficiency of the driver and compact metal case enables them to run cooler, significantly improving reliability and extending product life. To ensure trouble-free operation, protection is provided against input surge, over current, output over voltage, short circuit, and over temperature.

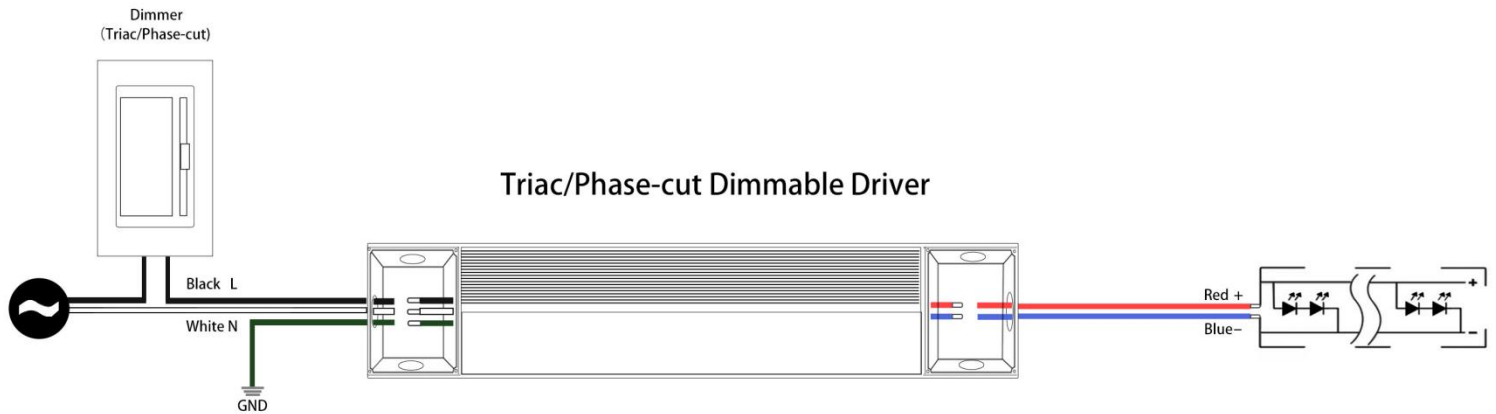
Warning

The dimming product is only suitable for direct drive LEDs. In the dimming state, the dim+ dim- ports are PWM output. If there is a circuit drive LED or load with capacitance inside the LED, it is not suitable for this dimming power supply

■ Specification

MODEL		□KS-200AW-12#	□KS-200AW-24#	□KS-200AW-36#	■KS-200AW-48#	
OUTPUT	Output Voltage	12V	24V	36V	48V	
	Rated current	16.6A	8.33A	5.55A	4.16A	
	Rated power	200W	200W	200W	200W	
	Ripple & Noise (max.)	200mVp-p	250mVp-p	250mVp-p	250mVp-p	
	Voltage accuracy	±2.0%	±2.0%	±2.0%	±2.0%	
	Linear adjustment rate	±0.5%	±0.5%	±0.5%	±0.5%	
	Load adjustment rate	±0.5%	±0.5%	±0.5%	±0.5%	
	Start, rise time	500ms, 100ms/230VAC, 1000ms, 100ms/115VAC				
	Hold time	10ms/115VAC, 230VAC				
INPUT	Voltage range	100 ~ 277VAC				
	Frequency range	47 ~ 63Hz				
	Power factor	PF≥0.98/115VAC, PF≥0.95/230VAC , PF≥0.9 /277VAC, Full load				
	Total harmonic distortion	THD< 20% (@ load ≥50%/115VC,230VAC; @ load ≥75%/277VAC)				
	Efficiency	Vin: 115VAC	≥86.99%	≥90.01%	≥90.51%	≥91.01%
		Vin: 230VAC	≥90.65%	≥93.89%	≥94.39%	≥94.89%
	AC current	2.47A				
	Inrush current	Cold start 75A(width=350us measured at 50% I peak)/230Vac				
	Leakage current	< 1 m A				
No load/ standby power consumption	<4.1W					
Protection	Over current	95 ~ 110%				
		95 ~ 110% Constant current limit, load abnormal condition can be removed after automatic recovery				
	Short circuit	Burp mode, load abnormal conditions can be removed after automatic recovery				
	Over voltage	13 ~ 16 V	26 ~ 32 V	39 ~ 47 V	52 ~ 63V	
		Turn off the output voltage, restart and resume				
Over temperature	Turn off the output voltage, restart and resume					
Environment	Working Temp	T case= -40 ~ +50℃				
	Max.Case Temp	T case=+90℃				
	Working Humidity	20 ~ 95% RH, non-condensing				
	Storage Temp.,Humidity	-40 ~ +90℃, 10 ~ 95% RH				
	Temp.Coefficient	±0.03%/℃ (0 ~60℃)				
	Vibration	10~500Hz, 5G 12min./1 cycle, period for 72 min. each along X,Y,Z axes				
Safety & EMC	Safety standards:UL8750+UL1310					
	Withstand voltage:I/P-O/P:1.88KVac					
	Isolation resistance:I/P-O/P:100MΩ/500VDC/25℃/70%RH					
	EMC EMISSION:Confirms to FCC					

■ Dimming Connect Drawing

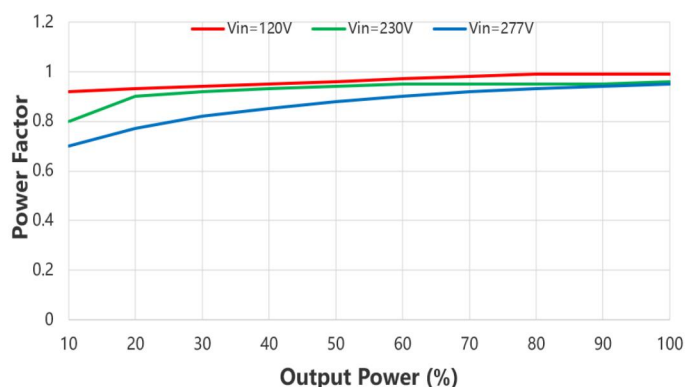


Warning:

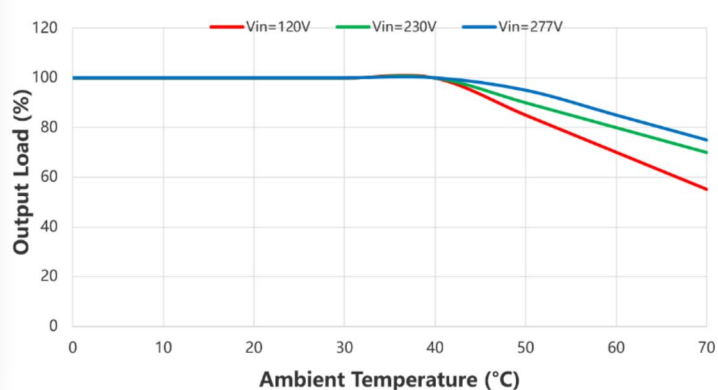
- ※ This driver should be installed by qualified and professional person;
- ※ Suitable for indoor use without direct sunlight exposure; Good ventilation are need;
- ※ Ensure that wiring is correct before test in order to avoid light damage;
- ※ If driver cannot work normally, don't maintain privately; Have any questions, please contact "Keysun" .

Relationship diagrams

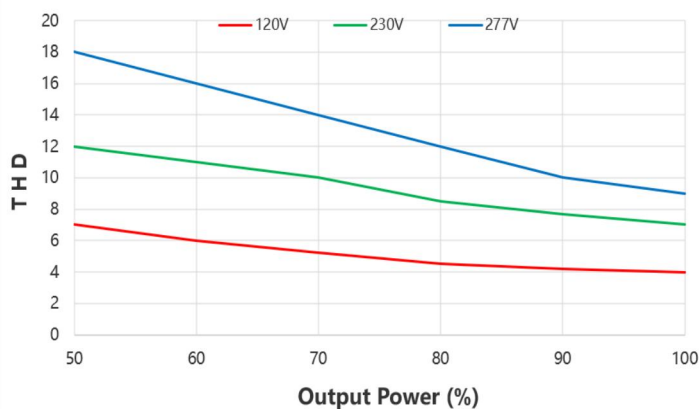
Power Factor - Output Power Curve



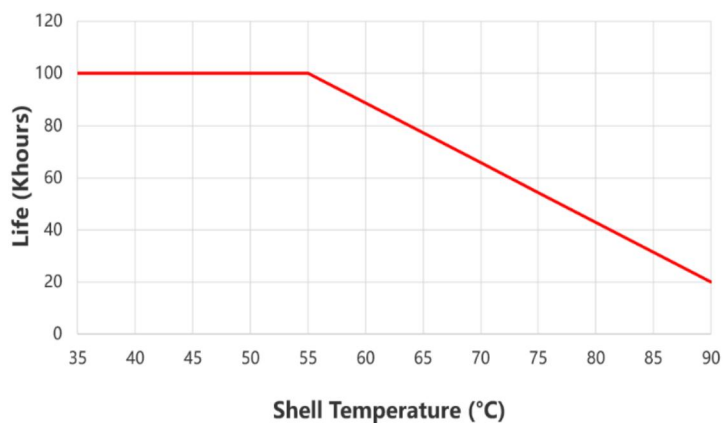
Output Load - Ambient Temperature Curve



THD - Output Power Curve



Life - Shell Temperature Curve



Dokumentation der Funktionalität verschiedener Netzteile mit Dimmern

LED System: luxKIT

Netzteil / Dimmer:		Busch - Jaeger 6523 U-102	Feller 40420.RLC	Feller 40600.RL	GIRA 3000 2455 00/03	GIRA 3000 2450 00/02	Berker 296-M0
	EAN Nr.:	4011395212677	7611386305660	7611386205793	4010337031413	4010337031406	4011334510147
OTM-PD60	7640382275080						
OTM-PD90	7640382275103						
KS-200AW-48T	7640382275158						
KS-300AW-48T	7640382275165						

Legende:

	Hohe Kompatibilität
	Kompatibel mit Einschränkungen*
	nicht kompatibel**

* leichte Geräuschbildung beim Dimmen oder im Betrieb / leichtes flackern während Dimmvorgang, verschwindet jedoch innerhalb von bis zu 3 Sekunden

** laute Geräuschbildung beim Dimmen oder in Betrieb / stetiges flackern oder ausfallen einer Leuchte während Dimmvorgang / Dimmen nicht möglich