

Phase cut /Triac dimmable driver-PWM output Dimmable LED driver 100W

TRIAC Dimmable Driver Series 100W

Series: TRIAC-12VIP66-100W | TRIAC-24VIP66-100W | TRIAC-48VIP66-100W



Features

Output:	Constant Voltage
Range:	200-240VAC
PFC design:	Built-in active PFC function
Efficiency:	Up to 85%
Protections:	Short circuit/ over load/ over temperature
Heat dissipation:	Cooling by free air convection
Waterproof performance:	IP66
Dimming function:	<u>Phase dimming</u> : work with leading edge and trailing edge, TRIAC dimmers.
Dimming range:	0-100%
Application:	Suitable for the application of LED lighting
Warranty:	5 years warranty

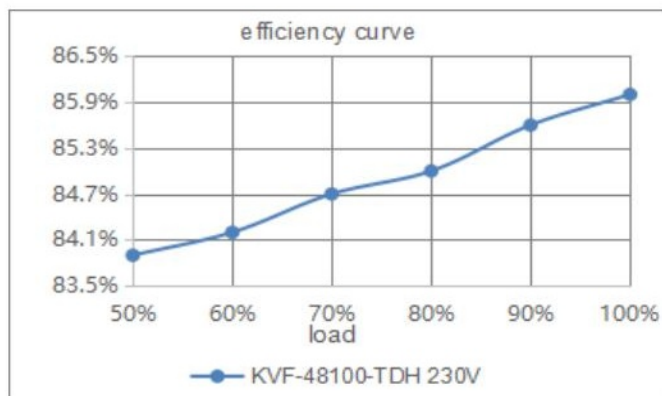
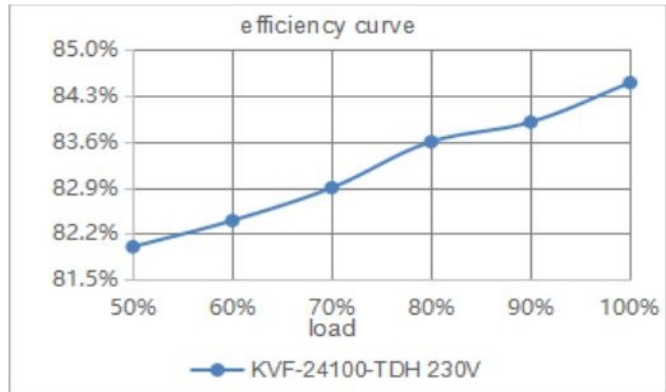
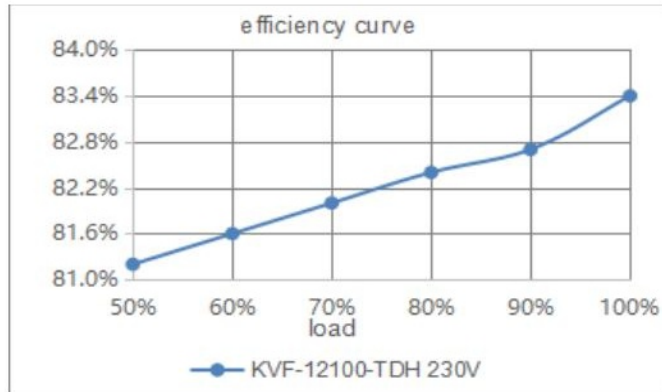
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Specification

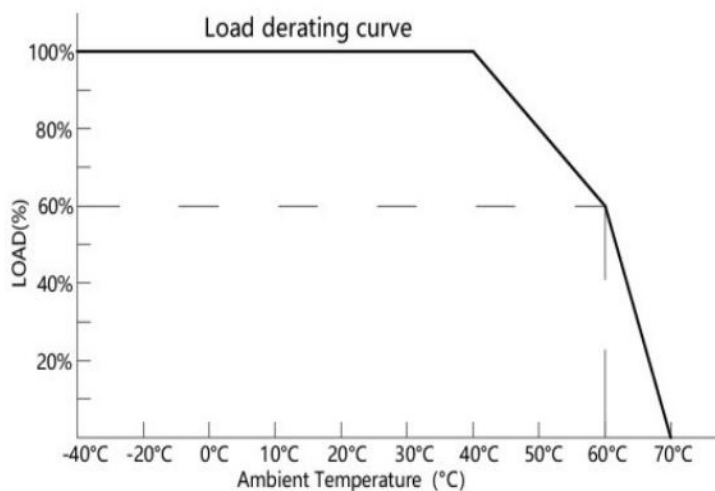
Model		TRIAC-12VIP66-100W	TRIAC-24VIP66-100W	TRIAC-48VIP66-100W
Certificate		TUV / SAA(GMA certificate) / CCC / CE / CB / RoHS / Reach		
Output	DC Voltage	12V	24V	48V
	Voltage Tolerance	±0.5V		
	Voltage Regulation	≤0.5%		
	Rated current	8.33A	4.16A	2.08A
	Rated power	100W		
	Load Regulation	≤2%	≤1%	
Input	Voltage Range	200-240VAC		
	Frequency Range	47 - 63Hz		
	THD(Typ.) @ full load	≤20%@200VAC @230VAC @240VAC		
	Efficiency @ full load	83%@230VAC	84%@230VAC	85%@230VAC
	AC Current (Max.)	0.8A		
	Inrush Current (Typ.)	60.8A, 376us@230VAC		
	Leakage current	<0.5mA		
Protection	Short Circuit	Hiccup mode, re-power on to recover after fault condition removed		
	Over Load	≤120% Hiccup mode, recovers automatically after fault condition is removed		
	Over temperature	Shell surface temp.100°C±10°C shut down o/p voltage,automatically recover after the temperature drops.		
Environment	Working TEMP.	-40~+60°C (see below derating curve)		
	Working Humidity	20 - 95%RH non-condensing		
	Storage TEM.,Humidity	-40 - +80°C,10 - 95% RH non-condensing		
	TEMP.coefficient	±0.03%/°C(0 - 50°C)		
	Vibration	10~500Hz, 5G 12min./1 cycle, period for 72min. each along X,Y,Z axes		
Safety & EMC	Safety standards	EN61347-1 EN61347-13(EU)		
	Withstand voltage	I/P-O/P:3.75KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC (EU)		
	Isolation resistance	I/P-O/P:100MΩ / 500VDC / 25°C / 70%RH		
	EMC Emission	EN55015 EN61000-3-2,3; AS CISPR 15:2017 CISPR 16-2-3 (EU)		
	Others	Net Weight	1.05Kg	
Dimension		230*70*43mm(L*W*H)		
Packing		340*270*175mm 10pcs /CTN		
Notes	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°Cof ambient temperature. 2. Tolerance: includes set up tolerance and load regulation .			

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Efficiency Curve (efficiency vs output load)



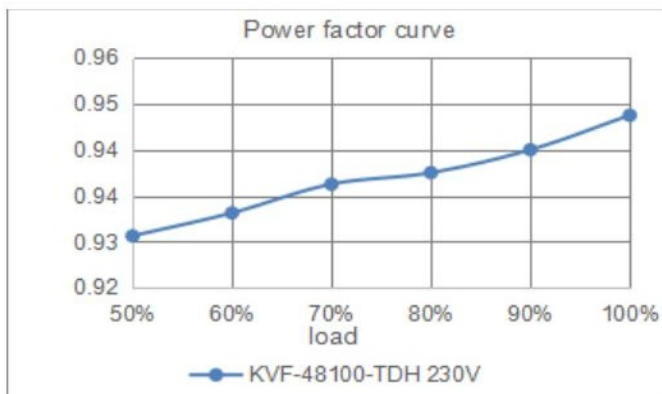
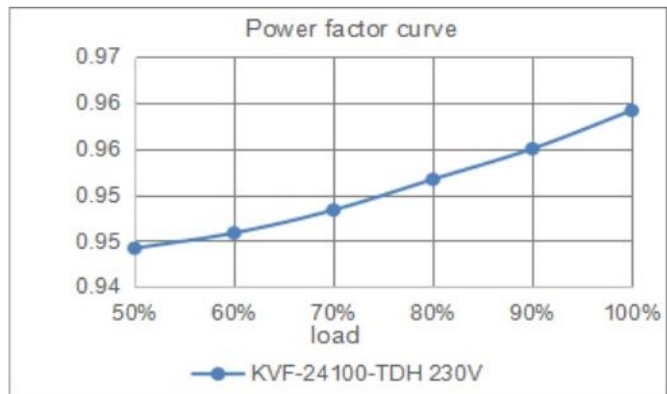
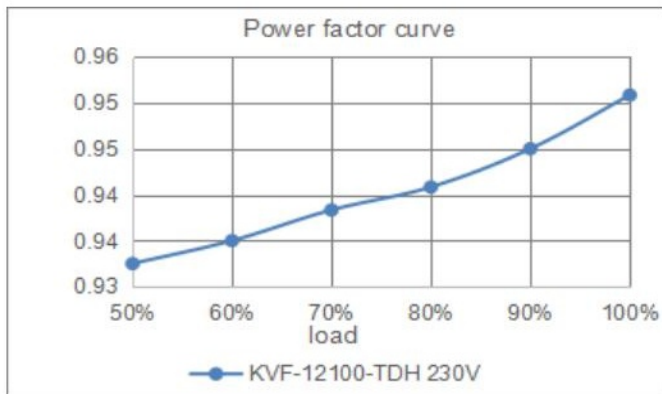
Derating Curve (output load vs TEMP.)



1. To extend their life, please refer to the Derating Curve and derate according to the temperature.
2. Please note that the rise in temperature of LED fixtures over a long period of time will cause their power to rise. Therefore, we recommend the power supply to reserve a certain amount of load to avoid overloading.

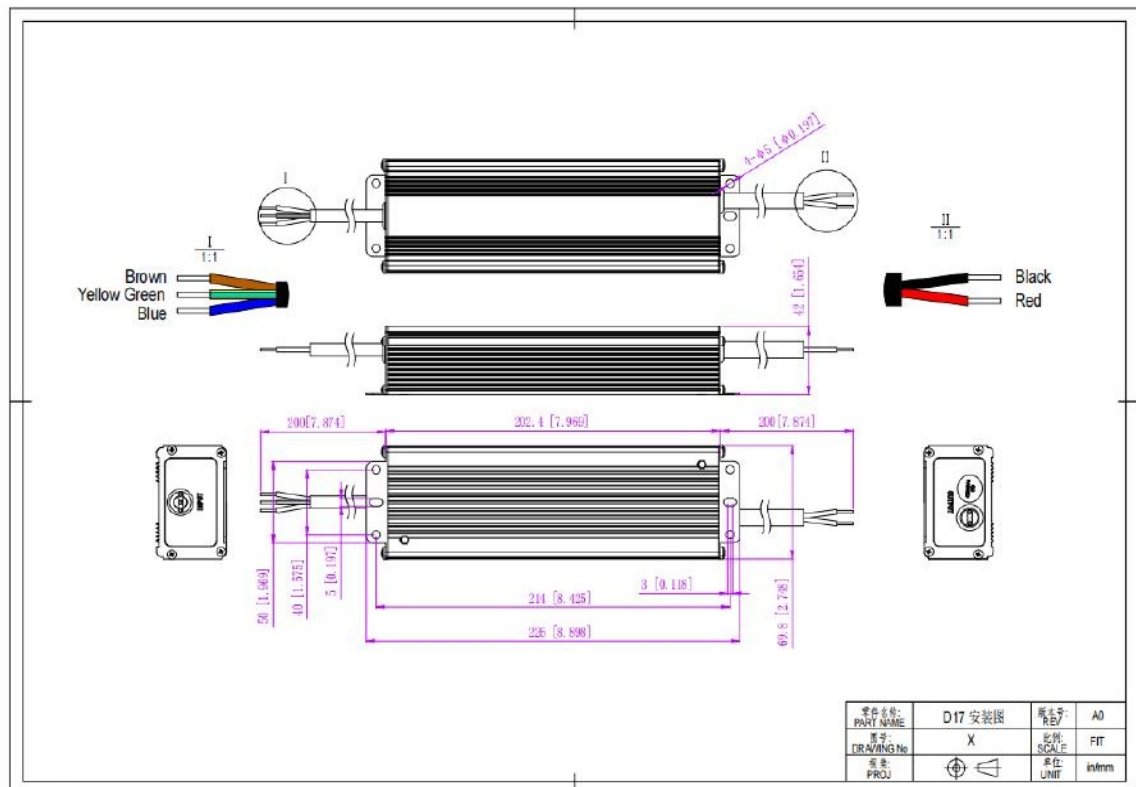
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Power Factor Curve



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Mechanical Specification



12V&24V&48V Version

1. Input cable 3C*1.0mm , the Green cable to (FG), Brown cable to L, and Blue cable to N of Mains AC.
2. Output cable 2C*1.5mm², Red cable (+) to LED Positive side (+) , Black cable (-) to LED Negative side (-).

Warm tips:

1. Any other requests for, we can customized.

Have any questions? Please contact UK LED Lights - we're happy to help.
Please visit our website or contact us for more information.