

◆Feature

- .Constant voltage design
- .High input voltage
- .Small dimension, High efficiency, High reliability, Long lifetime
- .Ip66 design for outdoor installation
- .Working temperature: -25°C~+50°C
- .Protections: Overload, Over voltage, Short-circuit, etc.
- .Typical efficiency: 88.0%
- .CE\IP66 certified, RoHS compliant
- .100% full load burn-in test.

**SPECIFICATION**

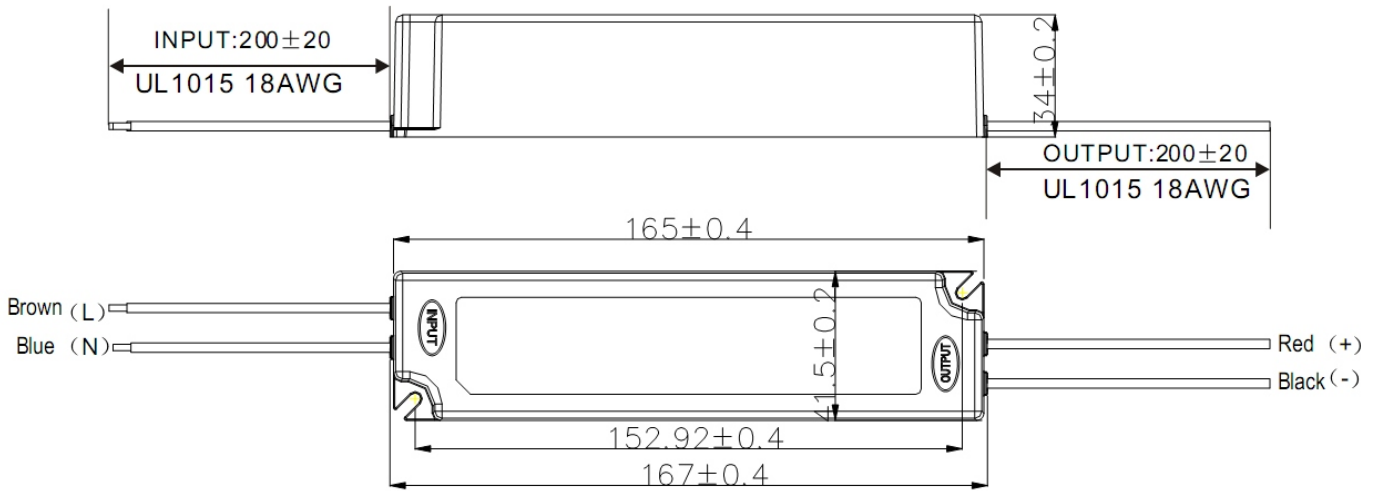
<b>Model Number</b>		VA-12060A0721			
<b>Output</b>	DC Voltage	12V			
	Rated current	5A			
	Current range	0-5A			
	Rated power	60W			
	Ripple and Noise(max.) Note4	120mVp-p			
	Voltage tolerance Note3	±4%			
	Line regulation	±1%			
	Load regulation	±1.5%			
	Output groups	1			
	Set up time Note6	2000ms, 50ms(at full load) 230Vac			
Holding time(Typ.)	15ms(at full load) 230Vac				
<b>Input</b>	Voltage range Note 2	170~264Vac or 240~374Vdc			
	Frequency range	47~63Hz			
	Power factor(Typ.)	PF≥0.50/230V(at full load)			
	Efficiency(Typ.)	88.0%			
	AC current	0.6A/230Vac			
	Inrush current(Typ.)	Cold start: 50A/230Vac			
	Leakage current	<0.75mA/240Vac			
<b>Protection</b>	Over load	110%-135% of the rated output power Protection mode: Hiccup mode, recovers automatically after the load reduced.			
	Short circuit	Protection type: Hiccup mode, recovers automatically after fault conditions removed.			
	Over voltage	13.0-18.0V Protection type: Hiccup mode, recovers automatically after fault conditions removed.			
	Over temperature	100°C ± 10°C(RTH2) Protection type: Shut down O/P voltage, recovers automatically after temperature goes down.			
<b>Environment</b>	Working temperature	-25°C~+50°C			
	Working humidity	10%~90%RH, non-condensing			
	Storage temp. and humidity	-25°C~+75°C, 5%~95%RH			
	Temp. coefficient	±0.05%/°C (0~40°C)			
	Vibration	10-300Hz, 1G 10min./cycle, period for 60min. each along X, Y, Z axes			
<b>Safe and EMC</b>	Safety standards	Compliance to EN61347-1、EN61347-2-13、UL8750、Ip66 waterproof rating.			
	Withstand voltage	I/P-O/P: 3.75KVAC			
	Insolation resistance	I/P-O/P, 100Mohms/500Vdc 25°C/70%RH			
	EMC Emission	/			
	EMC Immunity	/			
<b>Others</b>	MTBF	≥200Khrs, MIL-HDBK-217F(25°C)			
	Dimension	167X41.5X34mm(L*W*H)			
	Packing	0.42Kg/PCS, 32PCS/13.44Kg/box, (385X275X190mm)			

**NOTE**

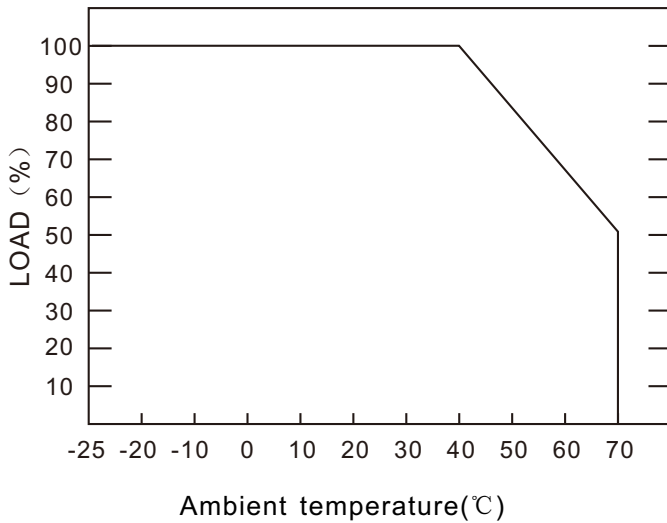
1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Derating may be needed under low input voltages. Please check the static characteristics for more details.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
4. Ripple & noise are measured at 20MHZ of bandwidth by using twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
5. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-confirm EMC Directive on the complete installation.
6. The start time was tested under the situation of cold star, continuous switching on/off may raise the start time.

■ Mechanical Specification

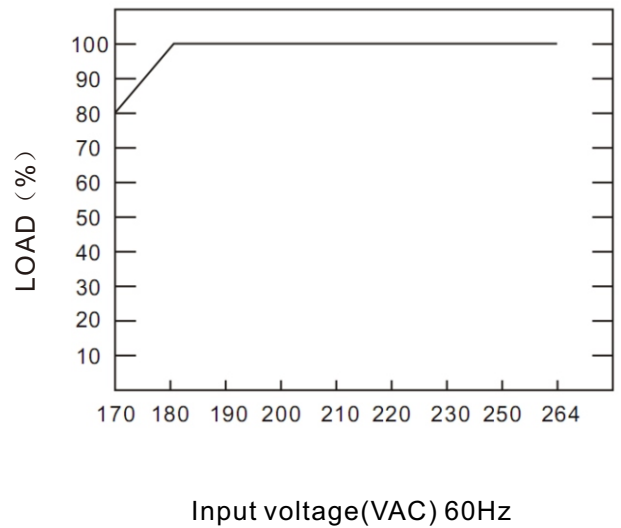
Case No. A0721 Unit: mm



■ Derating Curve



■ Static Characteristics



The above is Taurus standard product, customized product is available. We TAURAS has the right to ultimate interpretation.

Designed by		Standardization		A0721 type	Version: 2.0
Corrected by		Approved by		 <b>珠海市金兴科技有限公司</b> ZHUHAI TAURAS TECHNOLOGIES CO., LTD	
Checked by					