

◆Feature

- . Constant voltage design
- . Universal AC input / Full range
- . Small dimension, High efficiency, High reliability, Long lifetime
- . IP42 design for indoor installation
- . Working temperature: -15°C~+40°C
- . Protections: Overload, Over voltage, Short-circuit, etc.
- . Typical efficiency: 87.5% .
- . CE,CB,IP42,RoHS
- . 100% full load burn-in test



SPECIFICATION

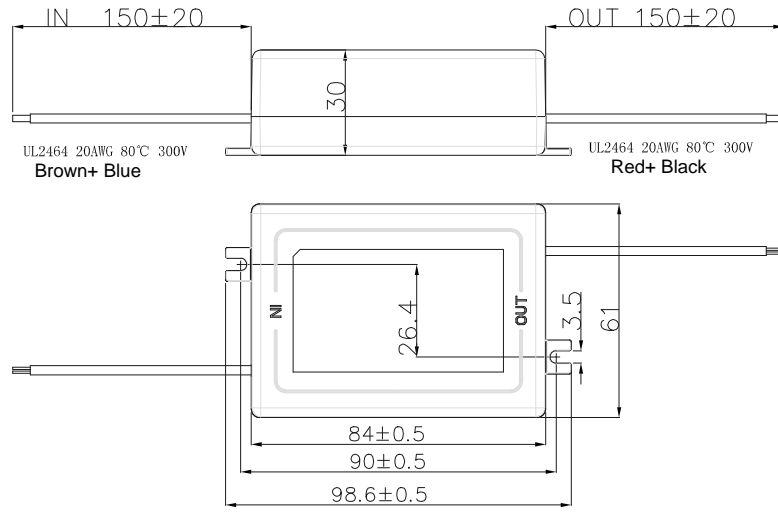
Model Number		HVDC-12048A0730	HVDC-24048A0730		
Output	DC Voltage	12V	24V		
	Rated current	4.0A	2.0A		
	Current range	0~4.0A	0~2.0A		
	Rated power	48W	48W		
	Ripple and Noise(max.) Note4	240mVp-p	240mVp-p		
	Voltage tolerance Note3	± 4%	± 2%		
	Line regulation	± 1%	± 1%		
	Load regulation	± 2%	± 1%		
	Output groups	1	1		
	Set up time Note6	2000ms, 50ms(at full load) 110Vac/ 230Vac			
Holding time(Typ.)	15ms(at full load) 110Vac/ 230Vac				
Input	Voltage range Note 2	90~264Vac or 127~374Vdc			
	Frequency range	47~63Hz			
	Power factor(Typ.)	PF≥0.5/110V(at full load) PF≥0.45/230V(at full load)			
	Efficiency(Typ.)	86.5%	87.5%		
	AC current	Max.1.12A			
	Inrush current(Typ.)	Cold start: 50A/230Vac			
	Leakage current	<0.5mA/240Vac			
Protection	Over load	103%-140% of the rated output power Protection mode: Restrict the current,recovers automatically after the load reduced.			
	Short circuit	Protection type: Hiccup mode, recovers automatically after fault conditions removed.			
	Over voltage	12.5~18.0V	24.5~35.0V		
	Over temperature	/			
Environment	Working temperature	-15°C~+40°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			
Safe and EMC	Safety standards	Compliance to EN61347-1,EN61347-2-13,Ip42 waterproof rating.			
	Withstand voltage	I/P-O/P: 3.75KVAC			
	Insolation resistance	I/P-O/P, 100Mohms/500Vdc 25°C/70%RH			
	EMC Emission	Compliance to EN55015, (CISPR22), EN61000-3-2,Class A,EN61000-3-3			
	EMC Immunity	Compliance to EN61547, EN61000-4-2,3,4,5,6,8,11, Surge(L-N:2.5KV/1.2*50Us 5 seconds)			
Others	MTBF	≥200Khrs, MIL-HDBK-217F(25°C)			
	Dimension	98.6X61X30mm(L*W*H)			
	Packing	0.146Kg/PCS, 50PCS/ 7.3Kg/box, (365X300X180mm)			

NOTE

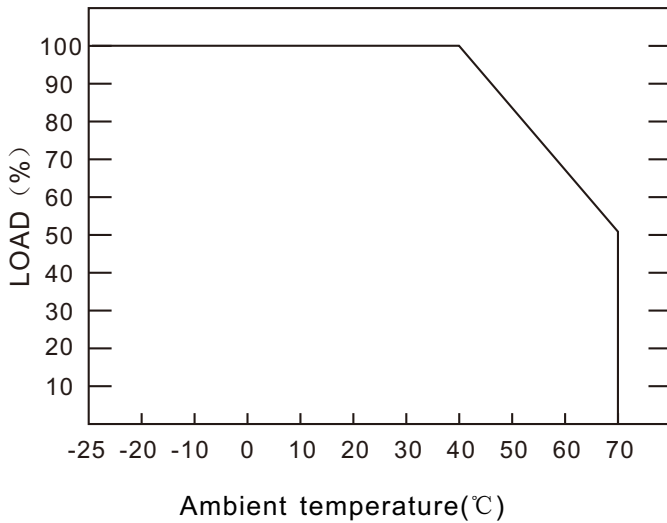
1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Derating may be needed under low input voltages. Please check the static characteristics for more details.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
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

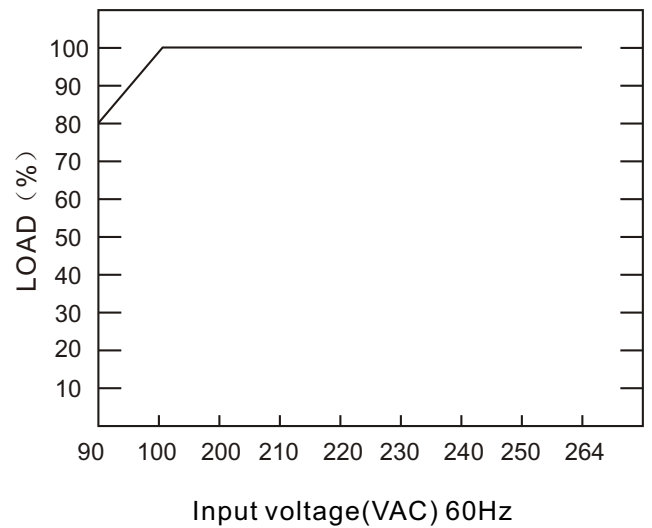
Case No. A0730 Unit: mm




■ 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		A0730 type	Version: 2.0
Corrected by		Approved by		 中山市金兴智能技术有限公司 ZHONGSHAN TAURAS TECHNOLOGIES CO.,LTD	
Checked by					