

■ **Features**

- Input voltage: 90-305Vac
- Built-in active PFC function: 0.99 Typ.
- High efficiency: 93.5% Typ.
- IP67 design for indoor or outdoor installations
- High surge immunity
- Compliance to worldwide safety regulations for lighting
- Suitable for dry/damp/wet locations

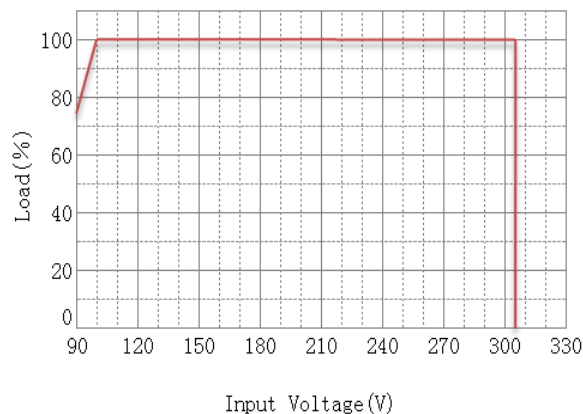
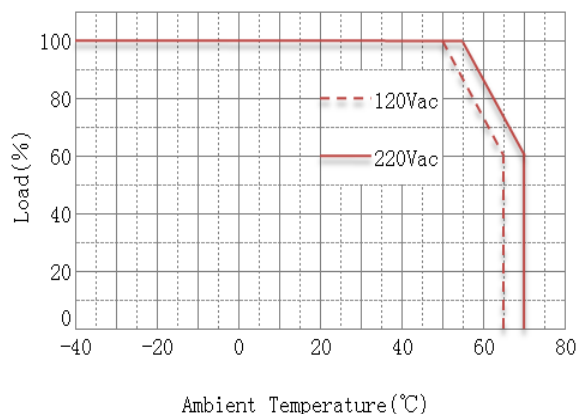


■ **Specification**

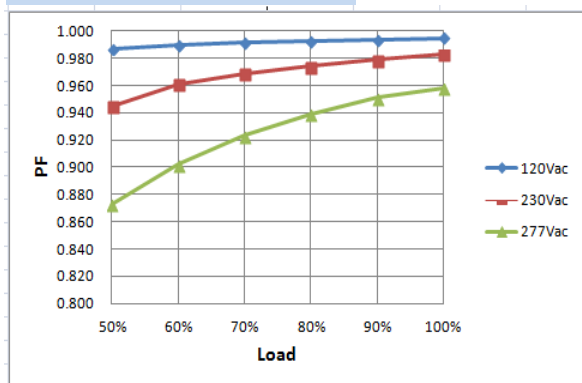
Model (MU320HxxxAP)		024	028	036	048	054
Input	Efficiency (120Vac)(Typ.) _{Note.1}	90.0%	90.5%	90.5%	91.0%	91.0%
	Efficiency (230Vac)(Typ.) _{Note.1}	93.0%	93.5%	93.5%	94.0%	94.0%
	Voltage Range (V) _{Note.2}	90 ~ 305Vac, OR 127~ 430Vdc				
	Voltage Rated (V) _{Note.2}	100 ~ 277Vac				
	Frequency Range (Hz)	47~63				
	Power Factor	0.99 (Typ.) at 120Vac, 0.98 (Typ.) at 230Vac, 0.9 (Min.) at 277Vac, with 80%-100% load				
	THD	8% (Typ.) at 120Vac input, 10% (Typ.) at 230Vac input, with 80%~100% load. 20% (Max.) with 50%~100% load, at 100Vac~277Vac				
	AC Current (Max.)	4.0A at 100Vac input, 1.7A at 230Vac				
	Inrush Current (Max.)	65A at 230Vac input, 25℃, Cold Start (time wide=500uS, measured at 50% Ipeak,Not applicable for the inrush current to Noise Filter for less than 0.2ms)				
	Leakage Current (Max.)	0.75mA at 277Vac/60Hz				
Output	Rated Output Current (A)	13.33	11.43	8.89	6.67	5.93
	Output Current Range (A)	0-13.33	0-11.43	0-8.89	0-6.67	0-5.93
	Rated Voltage (V)	24	28	36	48	54
	Rated Power (W)	320				
	Ripple&Noise Voltage (Typ.)	<2%				
	Voltage Tolerance	5%				
	Line Regulation	1%				
	Load Regulation	3%				
	Turn on delay Time	<1s, at 120Vac; <0.5s, at 230Vac				
Protection	Over Voltage (V)(Typ.)	<31.2	<36.4	<46.8	<62.4	<70.2
		Protection type: Hiccup mode. recovers automatically after fault condition is removed.				
	Over Current	110%-170%, Protection type: Hiccup mode. recovers automatically after short is removed.				
	Short Circuit	Protection type: Hiccup mode. recovers automatically after short is removed.				
	Over temperature	Protection type: Decrease output current. When tc reaches 100℃+/-10℃, the output current decrease to approximate 50% of rated value until tc reaches 75℃+/-15℃.				
Environment	Operating Temp.	-40~+70℃(Refer to 'Derating Curve')				
	Tc	90℃ max				
	Operating Humidity	20~95%RH				
	Storage Temp., Humidity	-40~+85℃ , 10-95%RH				
	Temp. Coefficient	0.03%/℃ (0~50℃)				
	Vibration	10-500Hz, 5G 12min/cycle, period for 72min each along X、 Y、 Z axes				
Safety & EMC	Safety Standard	UL8750, UL1012, CSA C22.2 NO.107.1, EN61347-1, EN61347-2-13				
	Withstand Voltage	I/P-O/P:3.75kVac, I/P-FG:1.875kVac, O/P-FG:1.5kVac				
	Isolation Resistance	I/P-O/P:100M Ohms (500VDC/25℃/70%RH)				
	EMC Emission	FCC Part 15 Class B/ EN55015, EN61000-3-2 Class C, EN61000-3-3				
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11, EN61547 (Surge: L-N: ±4kV, L,N-FG: ±6kV)				
Others	MTBF	300,000 Hours, measured at full load, 25℃ ambient temperature				
	Lifetime	50,000 Hours at Tc 75℃(Refer to"Life Time VS. Tcase (Ref.)")				
	Dimension	251 x 90 x 44.5 (mm) (LxWxH)				
	Weight (Typ.)	1.8 kg				

Note.1: Measured at full load and steady-state temperature in 25℃ ambient(Efficiency will be about 2% lower if measured immediately after startup); Note. 2: Derating may be needed under low input voltage, Please Refer to 'Derating Curve'; Note. 3: All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ ambient temperature;

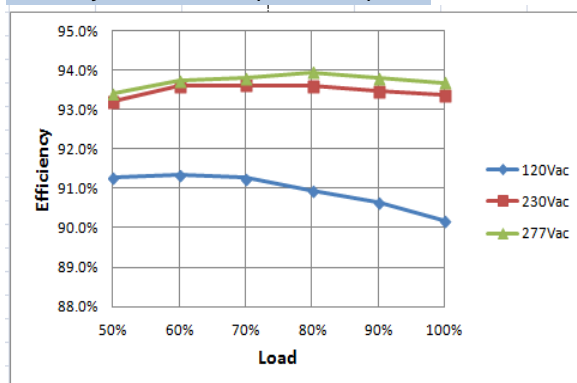
Derating Curve



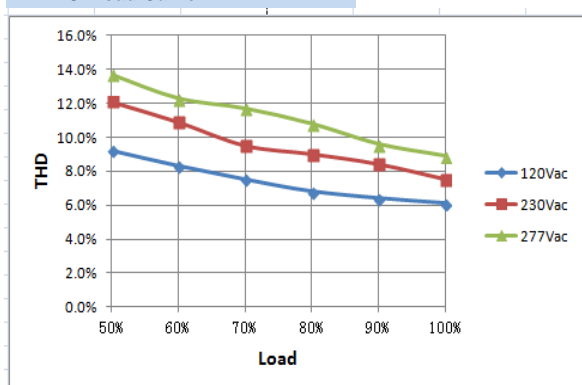
Power Factor VS. Load Curve



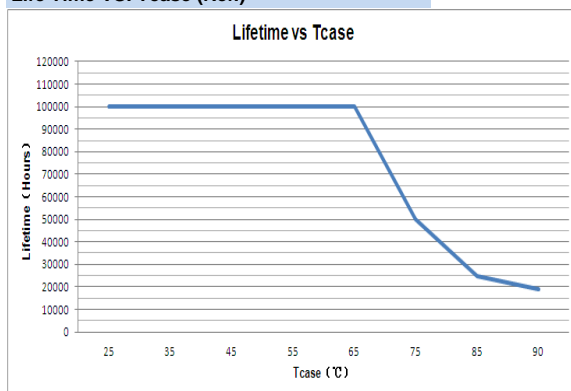
Efficiency VS. Load Curve (28V for Ref.)



THD VS. Load Curve

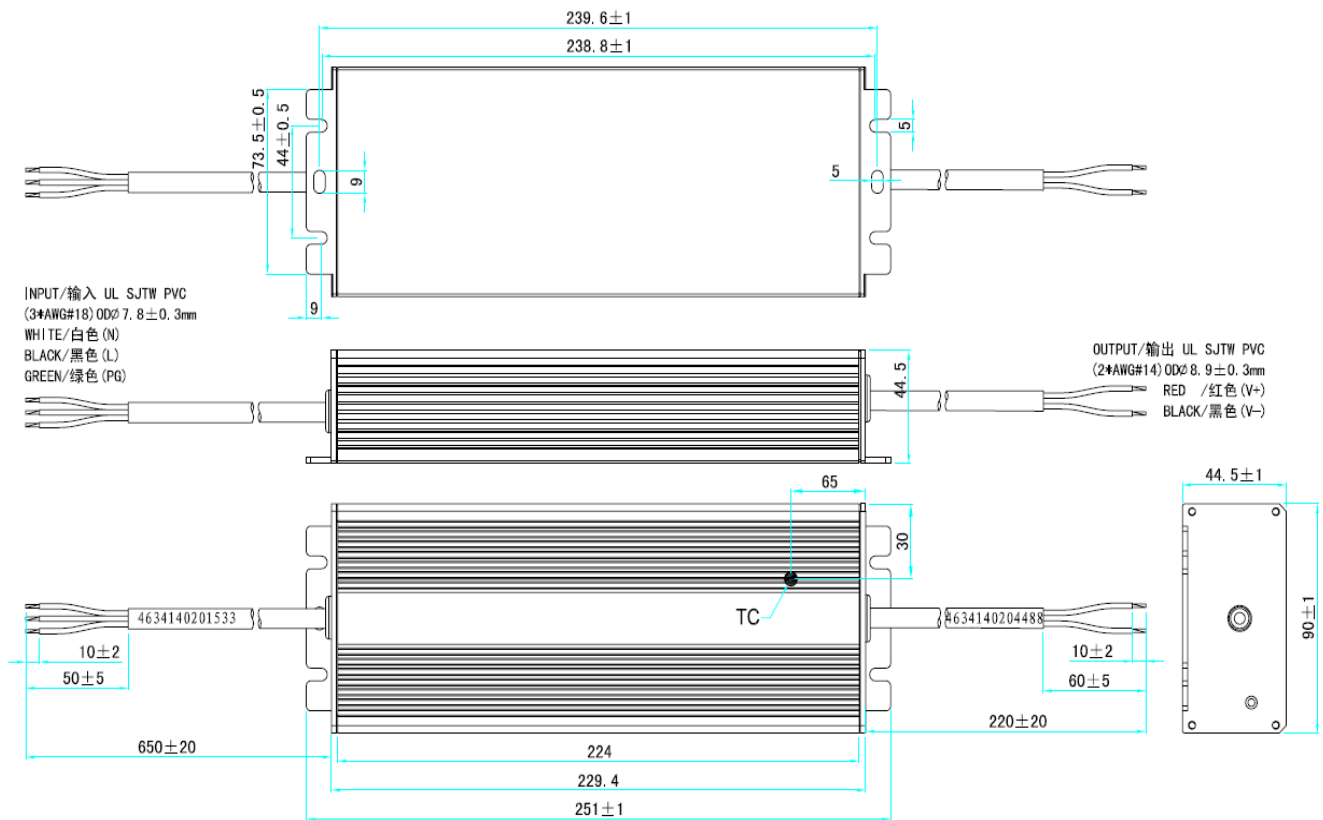


Life Time VS. Tcase (Ref.)



■ Mechanical Specification

Dimensions (Unit: mm)



RoHS Compliance:

Our products comply with the European Directive 2002/95/EC, calling for the elimination of lead and other hazardous substances from electronic products.

subject to change without notice

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