MU200HxxxAQ Series General-Outdoor

■ Features

- Input voltage: 90-305VAC
- Built-in active PFC function: 0.99 Typ.
- Low THD: 10% Typ.
- High efficency: 93.5% Typ.
- IP67 design for indoor or outdoor installations
- High surge immunity
- Compliance to worldwide safety regulations for lighting
- Suitable for dry/damp locations
- 5 Years Warranty

■ Specification

Model (MU200AXXXAQ)		035	045	053	070	105	140	175	210	245	280	315	350	420	490	560
Input	Efficency (Typ.)110VAC	90.5%	90.5%	90.5%	90.5%	90.0%	90.0%	89.0%	89.0%	89.0%	89.0%	88.5%	88.5%	88.5%	88.0%	88.0%
	Efficency (Typ.)220VAC	93.5%	93.5%	93.5%	93.5%	93.0%	93.0%	92.0%	92.0%	92.0%	92.0%	91.5%	91.5%	91.5%	91.0%	91.0%
	Voltage Range (VAC)	90~305														
	Frequency Range (Hz)	47~63														
	Power Factor(Typ.)	0.99（Typcal），>0.90 at 100~277VAC input，70%~100% load														
	THD(Typ.)	<10% at 220VAC input 50Hz，70%~100% load,														
		<15% at 110VAC and 277VAC input 60Hz，70%~100% load,														
	AC Current(MAX.)	2.4A at 110VAC , 1.2A MAX at 220VAC														
	Inrush Current(MAX.)	65A (25℃ , at 230VAC , cold start)														
	Leakage Current(MAX.)	1mA at 277VAC 50Hz input														
Output	DC Voltage (V)	571	444	377	285	190	142	114	95	81	71	63	57	48	40	36
	Rated Current(mA)	350	450	530	700	1050	1400	1750	2100	2450	2800	3150	3500	4200	4900	5600
	Rated Power (W)	199.9	199.8	199.8	199.5	199.5	198.8	199.5	199.5	198.5	198.8	198.5	199.5	201.6	196.0	201.6
	Ripple&Noise (Vp-p)	17.13	13.32	11.3	8.55	5.7	4.26	3.42	2.85	2.43	2.13	1.89	1.71	1.41	1.2	1.05
	Voltage ADJ. Range(V)	286~571	222~444	189~377	143~285	95~190	71~142	57~114	48~95	41~81	36~71	32~63	29~57	24~48	20~40	18~36
	Current Tolerance Note.1	±5%	±5%	±5%	±5%	±5%	±5%	±5%	±5%	±5%	±5%	±5%	±5%	±5%	±5%	±5%
	Line Regulation	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
	Load Regulation	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
	Setup, Rise Time	1.2s max, measured at 120VAC input; 1s max, measured at 220VAC input														
	Hold Up Time	10ms at 220VAC 100% load														
Protection	Over Voltage(V)(Typ.)	770	601	508	385	257	192	154	128	109	96	85	77	63	54	47
		Hiccup mode.The power supply shall be self-recovery when the fault is removed.														
	Short Circuit	No damage , The power supply shall be self-recovery when the fault is removed.														
	Over Temperature	Protection type : Decrease output current . When TC reaches 110±10℃，the output current decrease to 50% rate value until the TC reaches 75±10℃														
Environment	Working Temp.	-40~+70℃, refer to the derating curve for detail														
	Working Humidity	5~100%RH, non-condensing														
	Storage Temp., Humidi	-40~+85℃，5%-100%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, CAN/CSA-C22.2No.107.1-01														
	Withstand Voltage	I/P-O/P:3.75KVAC I/P-FG:2KV O/P-FG:0.5KV														
	Isolation Resistance	I/P-O/P ,I/P-FG,O/P-FG:100M Ohms/500VDC/25℃/70%RH														
	EMC Emission	EN55015/FCC Part 15 Class B，EN61000-3-2 Class C，EN61000-3-3														
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11，EN61547（Surge L,N-FG 6KV，L-N 4KV）														
Others	MTBF	300,000 hours, measured at full load, 25℃ ambient temperature, 80% Load ,MIL-HDBK-217F														
	Dimension	251 x 67.5 x 40 mm（LxWxH）														
	Weight	1.20kg														

Note.1: Includes set up tolerance, line regulation and load regulation.

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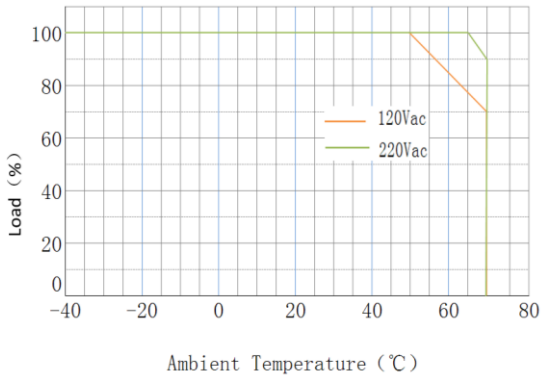
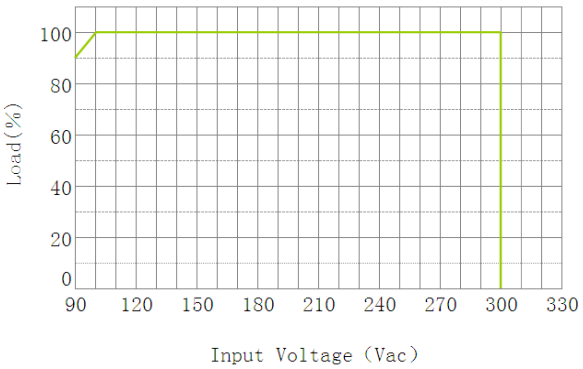
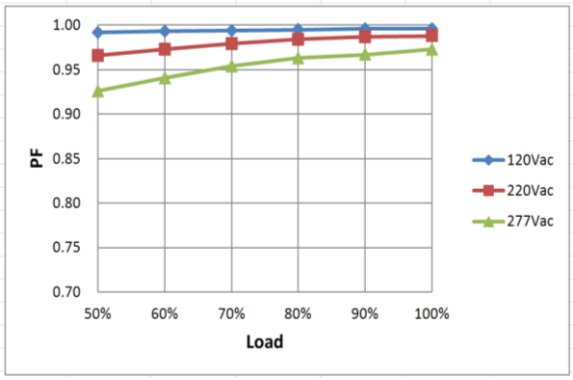
■ **Test Curve**

Derating Curve

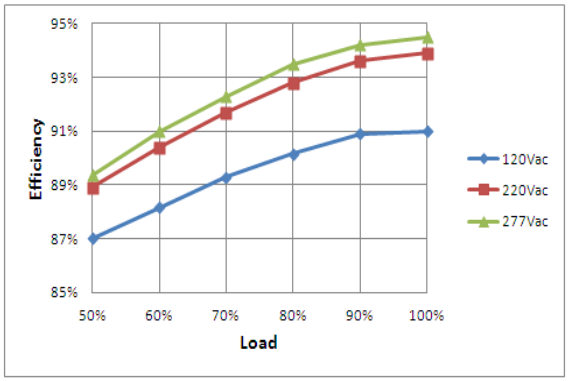




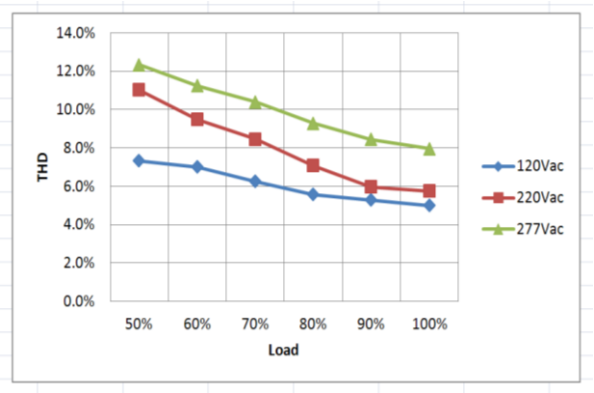
Power Factor Curve



Efficiency VS. Load Curve(Model:700mA)



THD Curve



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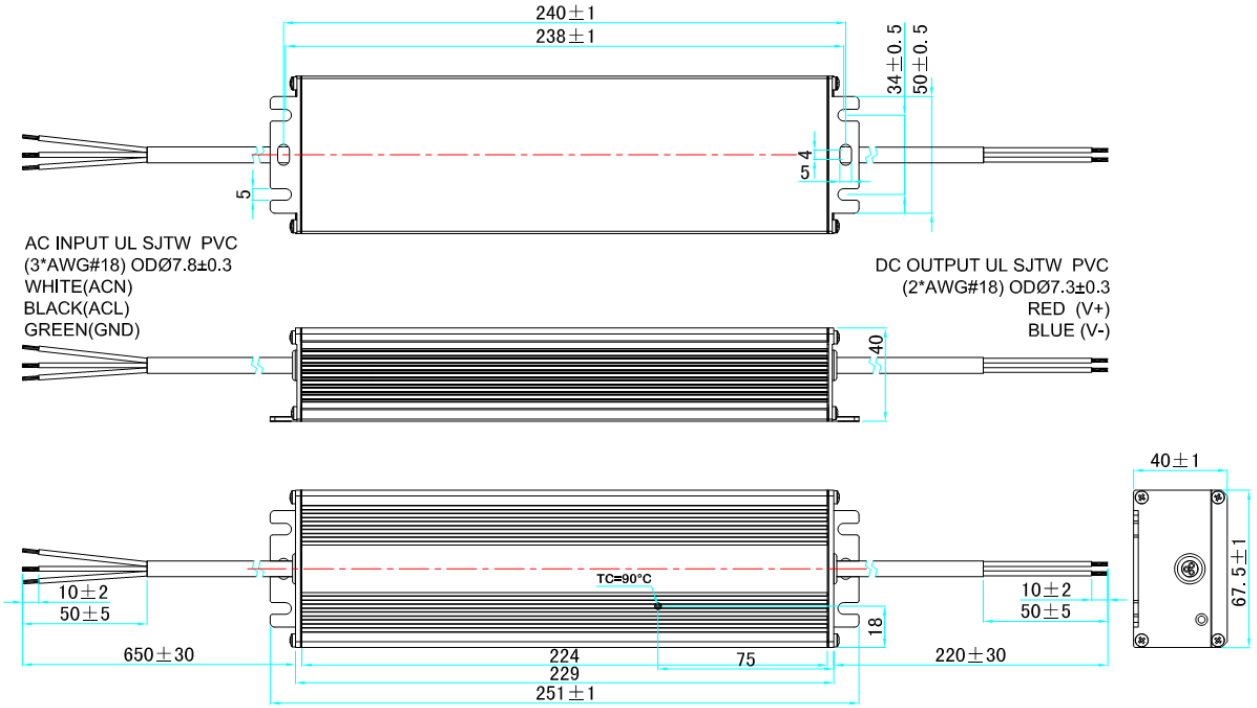
■ **Mechanical Specification**

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.

