



■ **Features**

- Input voltage: 90-305VAC
- Built-in active PFC function: 0.99 Typ.
- High efficiency: 91% Typ.
- IP67 design for indoor or outdoor installations
- High surge immunity
- Compliance to worldwide safety regulations for lighting
- Suitable for dry/damp locations



■ **Specification**

Model		035	045	053	070	085	105	120	140	175	210	245	280	300	315	350	375	420	500
(MU075CXXXAQ)																			
Input	Efficiency(120Vac)(Typ.) _{Note.1}	88%	88%	88%	87%	87%	87%	87%	86%	86%	86%	86%	85%	85%	85%	84%	84%	83%	83%
	Efficiency(230Vac)(Typ.) _{Note.1}	91%	91%	91%	90%	90%	90%	90%	89%	89%	89%	89%	88%	88%	88%	87%	87%	86%	86%
	Voltage Range (V) _{Note.2}	90~305Vac, OR 127~ 430Vdc (Derating may be need under low inputs, Refer to 'Derating Curve')																	
	Voltage Rate (V) _{Note.2}	100Vac~277Vac																	
	Frequency Range (Hz)	47~63																	
	Power Factor(Typ.)	0.99 (Typ.) with 80%~100% load,at 120Vac																	
		0.96 (Typ.) with 80%~100% load,at 230Vac																	
		>0.9 with 80%~100% load,at 277Vac																	
	THD(Typ.)	<15% with 80%~100% load, at 100Vac~277Vac																	
		<20% with 50%~100% load, at 100Vac~277Vac																	
	AC Current(Typ.)	1.0A at 100VAC input, 0.5A at 230VAC																	
Output	Inrush Current(Max.)	50A 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																	
	Voltage range (V)	214	166	142	108	88	72	63	54	43	36	31	27	25	24	21	20	18	15
	Rated Current(mA)	350	450	530	700	850	1050	1200	1400	1750	2100	2450	2800	3000	3150	3500	3750	4200	5000
	Rated Power (W)	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	Voltage ADJ. Range (V)	107~214	83~166	71~142	54~108	44~88	36~72	32~63	27~54	21~43	18~36	15~31	13~27	13~25	12~24	11~21	10~20	9~18	7~15
	Ripple&Noise Current(Typ.)	≤10%((PK-AV) /AV) with LED default mode and full load)																	
	Current Tolerance	±5%																	
	Line Regulation	±1%																	
	Load Regulation	±3%																	
Protection	Current ADJ. Range	-																	
	Turn on delay Time	<2s, at 120Vac; <1s, at 277Vac																	
	Over Voltage(V)	230	180	155	119	98	81	71	62	50	43	38	33	31	30	27	26	24	21
	Over Current	Protection type: Voltage limiting,output will not exceed the upper limit voltage , recovers automatically after fault condition is removed.																	
Safety & EMC	Short Circuit	Protection type: Constant current limiting.																	
	Over temperature	Protection type: Hiccup mode. recovers automatically after short is removed.																	
	Over temperature	Protection type : Decrease output current . When TC reaches 105±10℃ , the output current decrease to 50% rate value until the 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~+80℃ , 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	UL 8750, UL1012, EN61347-1, EN61347-2-13, GB19510.1;GB19510.14																	
	Withstand Voltage	I/P-O/P:3.75KVac I/P-FG:1.875KV O/P-FG:1.5KV																	
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500Vdc/25℃/70%RH																	
	EMC Emission	EN55015/FCC Part 15 , EN61000-3-2 Class C, EN61000-3-3																	
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11 (Surge L,N-FG 6KV, L-N 4KV) , EN61547																	
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	177 x 67.5 x 37 mm (LxWxH)																	
	Weight	0.75kg																	

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 voltages , Please Refer to 'Derating Curve' ; Note. 3: All parameters NOT specially mentioned are measured at 230VAC input , rated load and 25℃ of ambient temperature ;

subject to change without notice

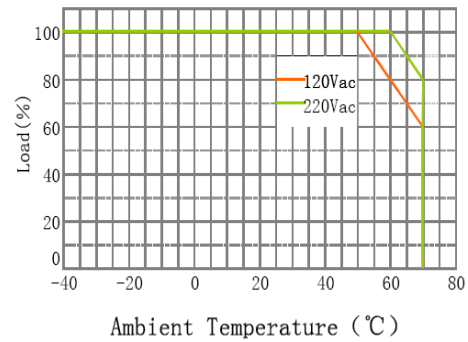
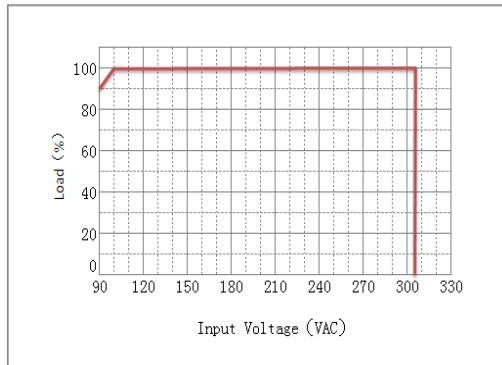
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SHANGHAI MOONS' AUTOMATION CONTROL CO., LTD.

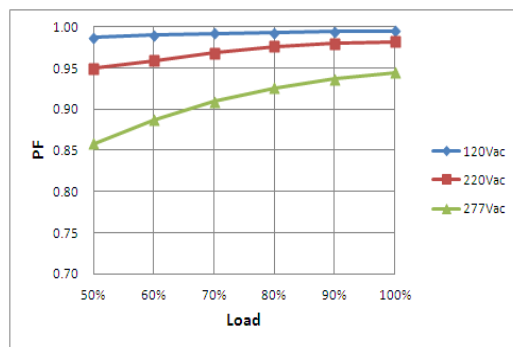
Add: No.168, Mingjia Road, Shanghai 201107, P.R.China

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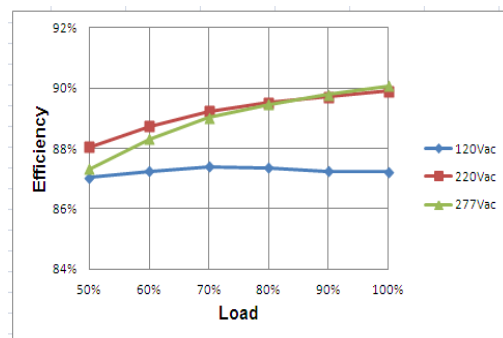
Derating Curve



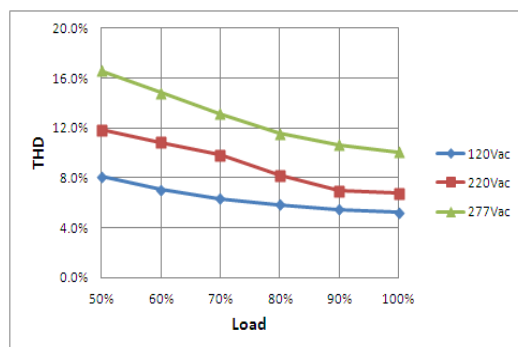
Power Factor VS. Load Curve



Efficiency VS. Load Curve



THD Curve



Life Time VS. Tcase (Ref.)

