



- **Features**
- Input voltage: 176-305VAC
 - Built-in active PFC function: 0.99 Typ.
 - Low THD: 5% Typ.
 - High efficiency: 90% Typ.
 - High surge immunity: DM 6KV, CM 6KV
 - Compliance to worldwide safety regulations for lighting



■ **Specification**

Model: ME035AXXXAQ		035	045	053	070	085	092	105
Input	Efficiency(220Vac)(Typ.) _{Note.1}	90.0%	90.0%	89.0%	89.0%	88.0%	88.0%	88.0%
	Voltage Range (V) _{Note.2}	176 ~ 305Vac, OR 248 ~ 431Vdc						
	Voltage Rated (V) _{Note.2}	200-240Vac						
	Frequency Range (Hz)	47~63						
	Power Factor	0.99(Typ.) with full load, at 220Vac						
		>0.95, 80%~100% load, at 220Vac						
	THD	5%(Typ.) with full load, <15%, 80%~100% load, at 220Vac						
	AC Current(Max)	0.25A at 200VAC						
Output	Inrush Current(Max.)	20A 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 240Vac/50Hz						
	Output Voltage range (V)	50-100	39-78	33-66	25-50	21-41	19-38	17-33
	Rated Current(mA)	350	450	530	700	850	920	1050
	Rated Power (W)	35	35	35	35	35	35	35
	Ripple Current,((PK-AV) /AV), LEDH mode full load at 220Vac	<35%,	<35%,	<40%,	<35%,	<35%,	<40%,	<35%,
	Current Tolerance	5%						
	Line Regulation	3%						
Protection	Load Regulation	3%						
	Turn on delay Time	<1.5s, at 220Vac						
	Over Voltage(V)	150	120	100	<75	60	60	60
Environment	Short Circuit	Protection type: Voltage limiting. output will not exceed the upper limit voltage , recovers automatically after fault condition is removed.						
	Operating Temp.	-40~+70℃(Refer to 'Derating Curve'),						
	Tc	90℃						
Safety & EMC	Operating Humidity	20~95% RH non-condensing						
	Storage Temp., Humidity	-40~+85℃ , 10~95%RH						
	Temp. Coefficient	0.03%/℃ (0~50℃)						
Others	Vibration	10-500Hz, 5G 12min/cycle , period for 72min each along X、Y、Z axes						
	Safety Standard	EN61347-1, EN61347-2-13						
	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, EN61000-3-2 Class C, EN61000-3-3						
	EMC Immunity	IEC61000-4-2, 3, 4, 5, 6, 8, 11, IEC61547, (Surge: L-N 6KV, L/N-Earth 6KV)						
	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	165 x 42.5 x 34.5 (mm) (LxWxH)						
	Weight(Typ.)	0.44KG						

Note.1: Measured at full load and steady-state temperature in 25℃ ambient; 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 220VAC input , rated load and 25℃ ambient temperature ;

subject to change without notice

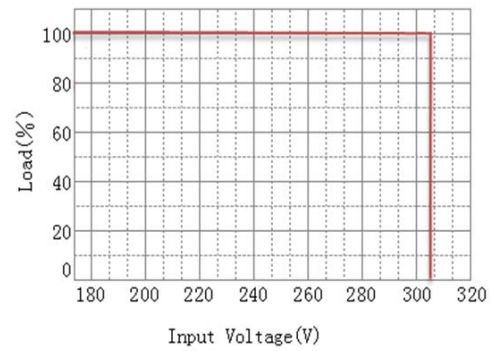
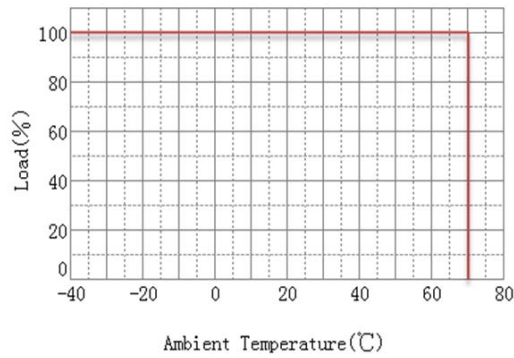
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SHANGHAI MOONS' AUTOMATION CONTROL CO., LTD.

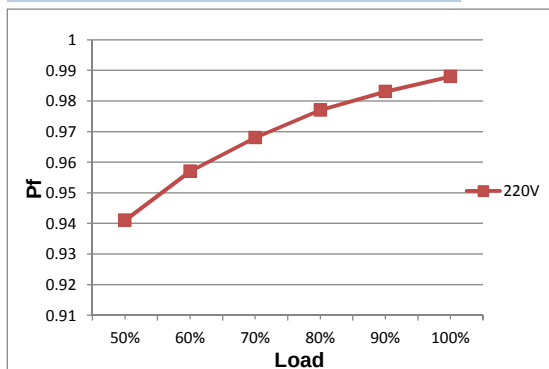
Add: No.168, Mingjia Road, Shanghai 201107, P.R.China

Tel: +86 (0)21 52634688 Website: www.moons.com.cn

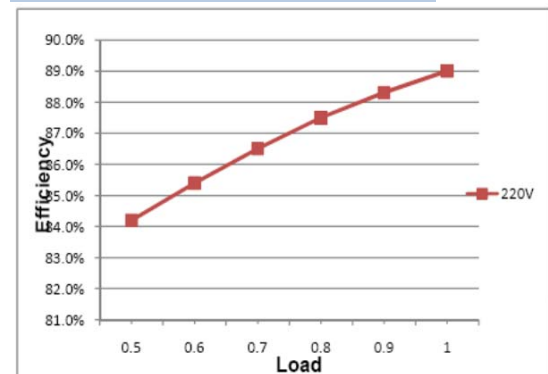
Derating Curve



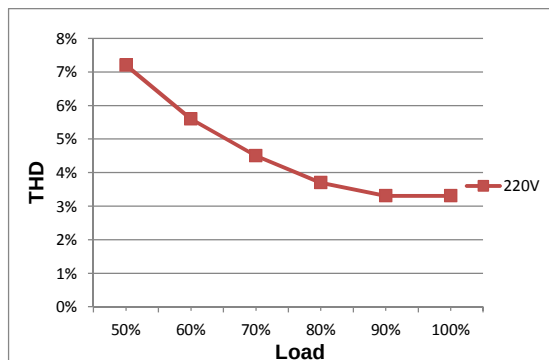
Power Factor VS. Load Curve(Ref. 700mA)



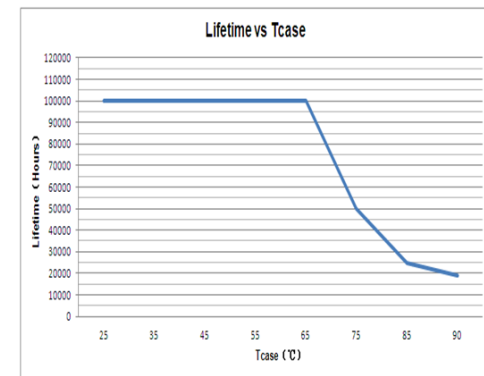
Efficiency VS. Load Curve(Ref. 700mA)



THD Curve(Ref. 700mA)

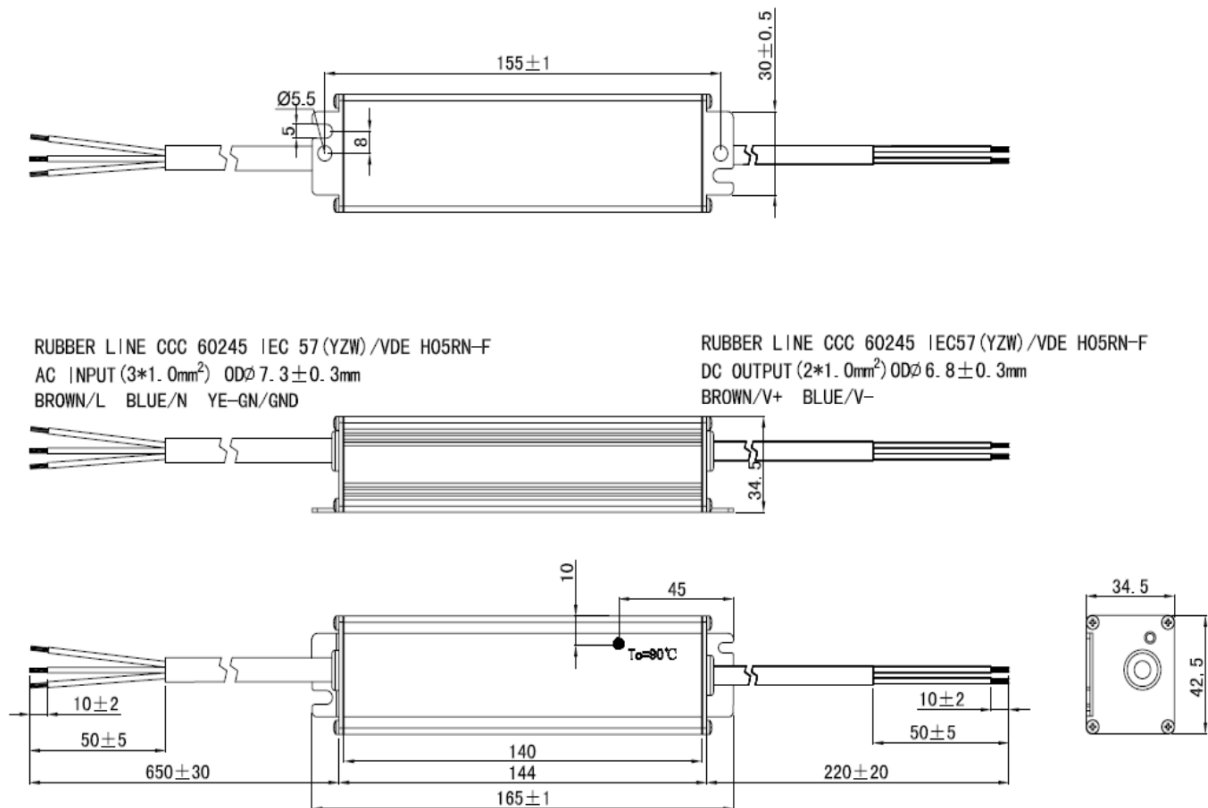


Life Time VS. Tcase (Ref.)



■ Mechanical Specification

Dimensions (Unit: mm)



■ Nameplate(Ref.700mA)

AC/L ● BROWN (棕色) AC/N ● BLUE (蓝色) YE-GN ● (黄绿色) INPUT (输入)	MOONS' ME035A070AQ P/N: LED Driver (LED控制装置) Energy Saving Solutions Input Voltage (输入电压): 200-240Vac 50/60Hz Input Current (输入电流): 0.25A@200Vac Output Voltage (输出电压): 25-50Vdc U-OUT (最大输出电压): 60V Output Current (输出电流): 700mA Output Power (输出功率): 35W ta: 70°C tc: 90°C Http://www.moons.com.cn Http://www.moonsindustries.com SHANGHAI MOONS' AUTOMATION CONTROL CO.,LTD (上海鸣志自动控制设备有限公司) MADE IN CHINA (中国制造) CCC CE IP67 RoHS SELV	V- ● BLUE (蓝色) V+ ● BROWN (棕色) OUTPUT (输出)
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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.