

■ **Features**

- Input voltage: 176-264Vac
- Built-in active PFC function: 0.97 Typ.
- High efficiency: 88% Typ.
- RS485 dimming
- IP67 design for indoor or outdoor installations
- High surge immunity
- Compliance to worldwide safety regulations for lighting

■ **Specification**

ME055A053AQ-485		
Input	Efficiency (230Vac) <sub>Note.1</sub>	88% (Typ.) , 85% (Min.)
	Voltage Range (V) <sub>Note.2</sub>	176 ~ 264Vac
	Voltage Rated (V) <sub>Note.2</sub>	200 ~ 240Vac
	Frequency Range (Hz)	47~63
	Power Factor	0.97 (Typ.) , 0.95 (Min.) at 230Vac, with 100% load
	THD	15% (Typ.) at 230Vac input, with 80%~100% load
	AC Current (Max.)	0.4A at 200Vac
	Inrush Current (Max.)	15A at 230Vac input, 25°C, 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 230Vac/50Hz
Output	Rated Output Voltage (V)	104
	Output Voltage Range (V)	57-104
	Rated Current (mA)	530
	Rated Power (W)	55
	Current Tolerance	5%
	Line Regulation	3%
	Load Regulation	3%
	Turn on delay Time	<3s, at 230Vac
Dimming	Dimming Interface	RS485
	Dimming Level	0%, 20%, 30%, 40%, 50%, 60%, 70%, 80%, 90%, 100%.
	Status Indication	Normal, LED driver fault, LED luminaire fault.
Protection	Over Voltage (V)(Typ.)	120
		Protection type: Hiccup mode, recovers automatically after fault condition is removed.
	Short Circuit	Protection type: Hiccup mode. recovers automatically after short is removed.
	Over temperature	100°C~130°C, recovers automatically.
Environment	Operating Temp.	-40~+70°C( Refer to 'Derating Curve' )
	Tc	90°C max
	Operating Humidity	20~95%RH
	Storage Temp., Humidity	-40~+85°C , 10~95%RH
	Temp. Coefficient	0.03%/°C (0~50°C)
	Vibration	10-500Hz, 5G 12min/cycle, period for 72min each along X、 Y、 Z axes
Safety & EMC	Safety Standard	GB19510.1, GB19510.14, EN61347-1, EN61347-2-13
	Withstand Voltage	I/P-O/P:3.75kVac, I/P-FG:1.875kVac, O/P-FG:1.5kVac, DIMMING-FG:1.875kVac
	Isolation Resistance	I/P-O/P, I/P-FG:100M Ohms (500VDC/25°C/70%RH)
	EMC Emission	EN55015, EN61000-3-2 Class C, EN61000-3-3
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11, EN61547 (Surge: L-N: ±2kV, L-N-FG: ±4kV)
Others	MTBF	300,000 Hours, measured at full load, 25°C ambient temperature
	Lifetime	50,000 Hours at Tc 75°C(Refer to"Life Time VS. Tcase (Ref.)")
	Dimension	199 x 67.5 x 40 (mm) (LxWxH)
	Weight (Typ.)	1.3 kg

Note.1: Measured at full load and steady-state temperature in 25°C 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°C ambient temperature;

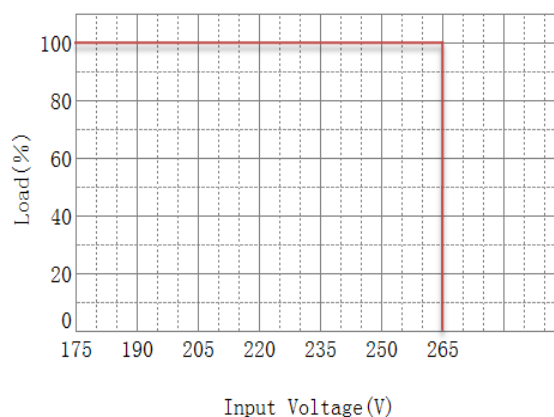
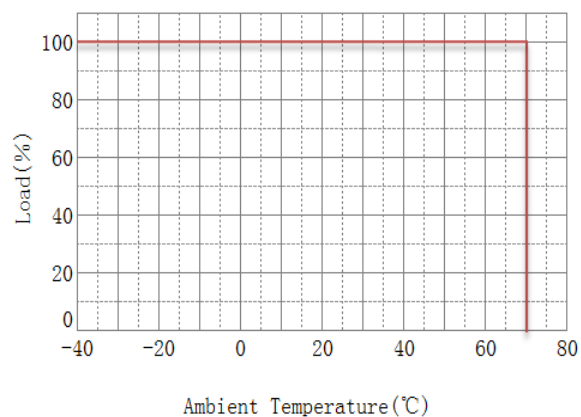
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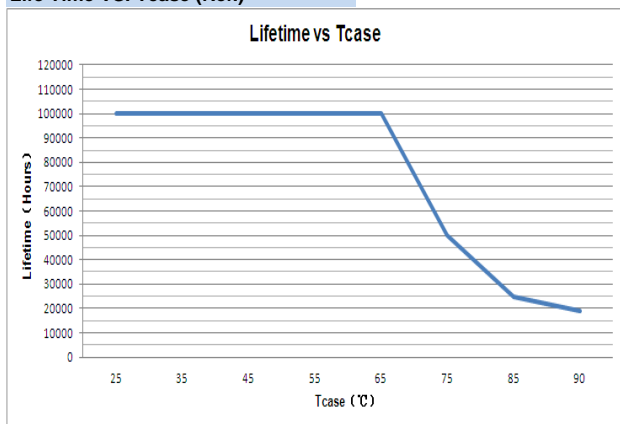
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**Derating Curve**

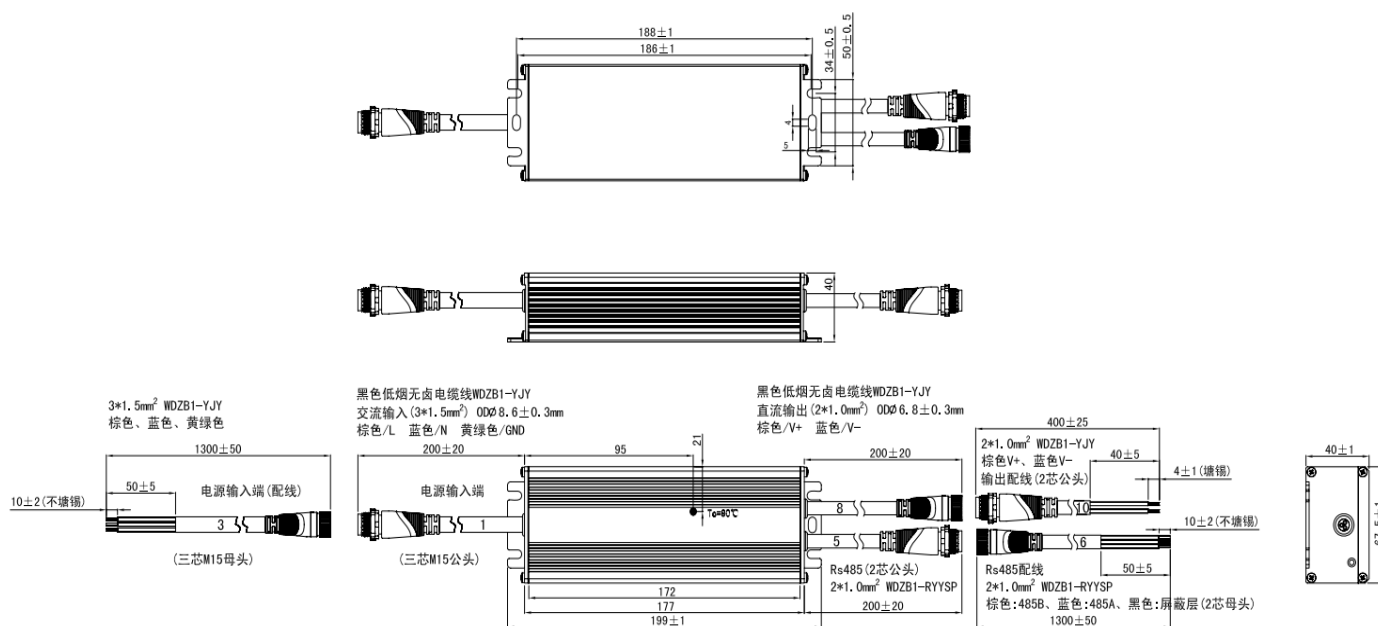


**Life Time VS. Tcase (Ref.)**



## ■ Mechanical Specification

Dimensions (Unit: mm)



## ■ Label



RoHS Compliance:

Our products comply with the European Directive 2011/65/EU &(EU)2015/863 Annex II, calling for the elimination of lead and other hazardous substances from electronic products.