

LED DRIVER SPECIFICATIONS

Customer's Part Number:

MOONS' Part Number:

Model:

PU025H035AQ1

P/N:

CUSTOMER'S APPROVAL STAMP

Please sign back after your approval. The specifications will come into force when we receive purchase order.

DWG	CHK	STANDARD	APPD

■ **Features**

- Input voltage: 90-305VAC
- Built-in active PFC function: 0.98 Typ.
- Low THD: 15% Typ.
- Efficiency: 84% Typ.
- IP66 design for indoor or outdoor installations
- High surge immunity
- Compliance to worldwide safety regulations for lighting

■ **Specification**

PU025H035AQ1

Input	Efficiency(120Vac) ^{Note.1}	82%(Typ.) with full load
	Efficiency(220Vac) ^{Note.1}	84%(Typ.) with full load
	Voltage Range (V) ^{Note.2}	90 ~ 305Vac, OR 127~ 300Vdc
	Voltage Rated (V) ^{Note.2}	100-277Vac
	Frequency Range (Hz)	47~63
	Power Factor	0.98 (Typ.)with 80% load,at 120Vac
		0.93(Typ.) with 80% load,at 220Vac
		>0.9 with 80% load, at 100~240Vac
	THD	15% (Typ.), at 220Vac input, with 80%~100% load conditions
		<20% with 80% load, at 100~240Vac
Output	AC Current(Max)	0.17A at 100VAC input, 0.08A at 230VAC
	Inrush Current(Max.)	30A 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.)	0.5mA at 277Vac/60Hz
	Output Voltage range (V)	18-36
	Rated Current(mA)	350
	Rated Power (W)	12.6
	Ripple Current	<10%((PK-AV) /AV) full load)
	Current Tolerance	8%
	Line Regulation	5%
	Load Regulation	5%
Protection	Turn on delay Time	<1.2s, at 120Vac; <0.75s, at 230Vac
	Over Voltage(V)	<55
	Over Current	-
	Short Circuit	Protection type: Hiccup mode. recovers automatically after short is removed.
Environment	Operating Temp.	-40~+60℃(Refer to 'Derating Curve' , -60℃ can start up within 40 seconds,the output current should be stablized within 5 minutes)
	Tc	90℃ max
	Operating Humidity	20~95% RH non-condensing
	Storage Temp., Humidity	-60~+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, IEC61347-1,IEC61347-2-13
	Withstand Voltage	I/P-O/P:3.75KVAC
	Isolation Resistance	I/P-O/P: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 Immunity Test:Level 4(Line to Neutral: ±2kV)
Others	MTBF	300,000 Hours,measured at full load,25℃ ambient temperature
	Lifetime	-
	Dimension	80 x 78 x 27 (mm) (LxWxH)
	Weight(Typ.)	0.22 kg

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 230VAC input , rated load and 25℃ ambient temperature ;

subject to change without notice

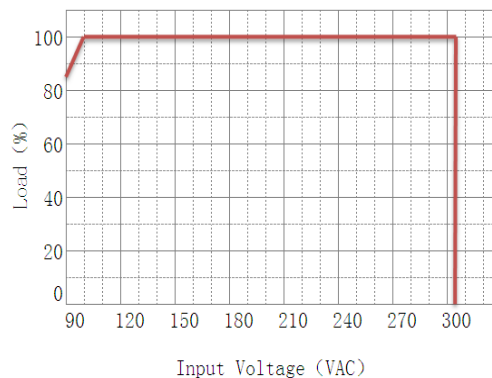
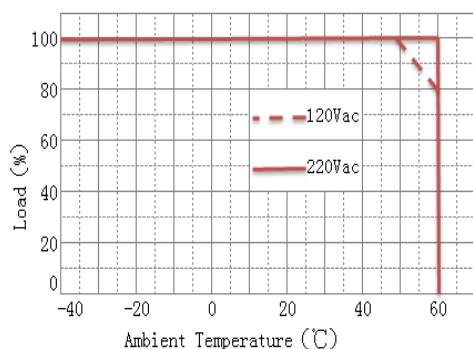
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MOONS' Electric (Taicang) Co., Ltd.

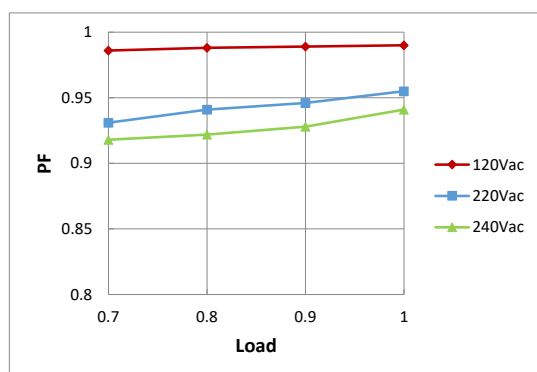
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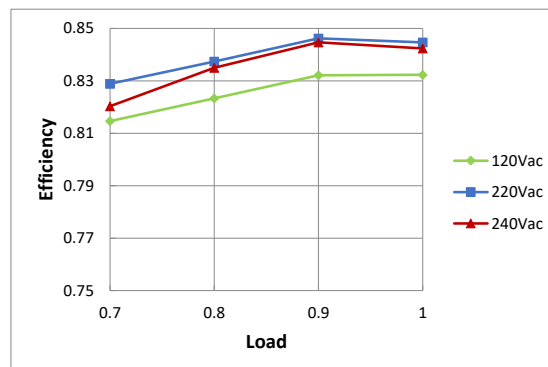
Derating Curve



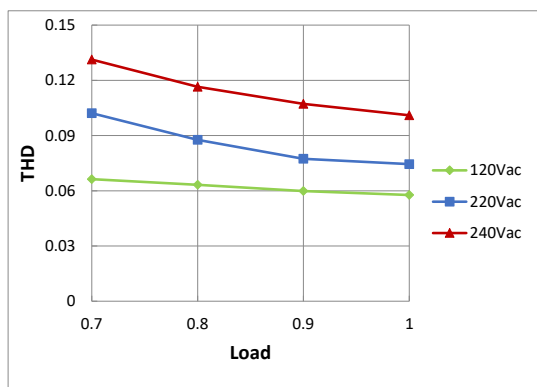
Power Factor VS. Load Curve



Efficiency VS. Load Curve

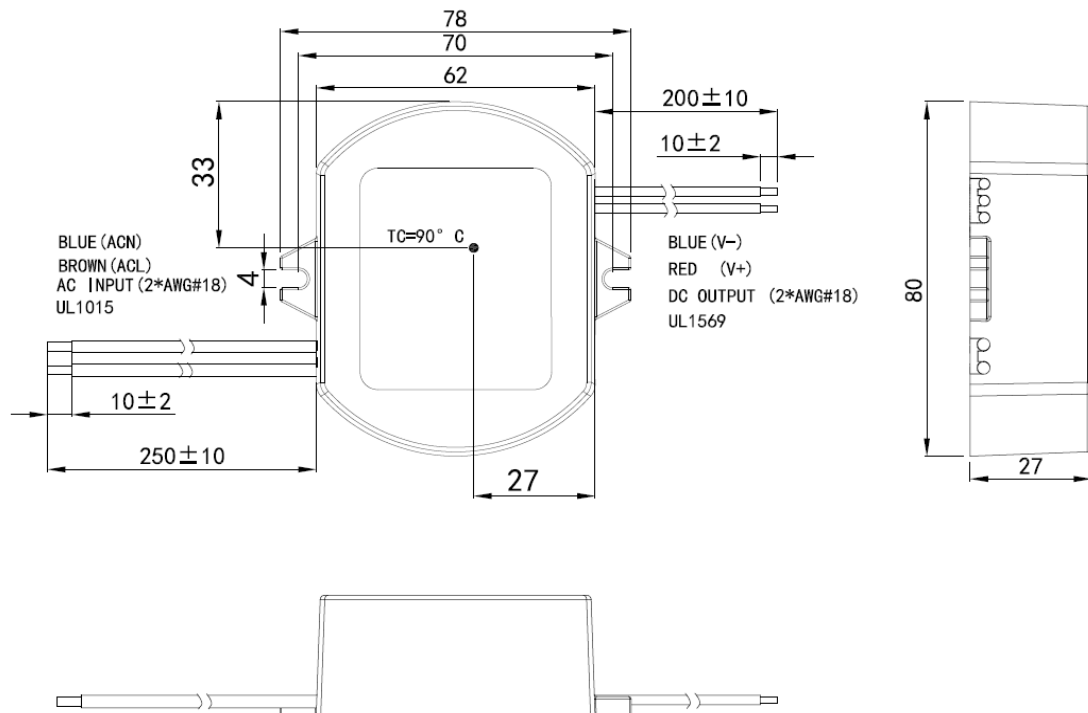


THD Curve

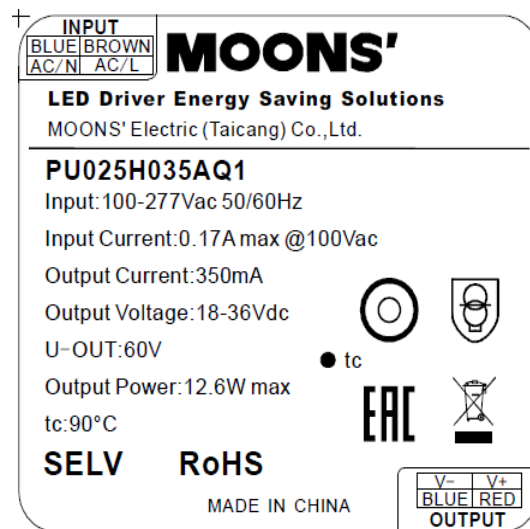


■ Mechanical Specification

Dimensions (Unit: mm)



■ Nameplate



RoHS Compliance:

Our products comply with the European Directive 2011/65/EU, calling for the elimination of lead and other hazardous substances from electronic products.

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