

# MPU-D Series

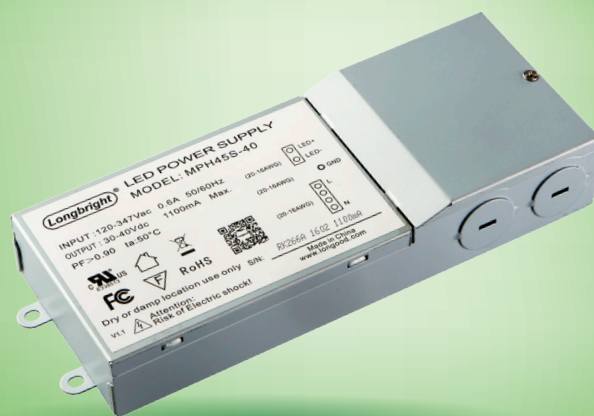
3 in 1 Dimmable LED Power Supply for Panel Fixture  
面板灯用三合一可调光 LED 恒流电源

Longbright®

make your future bright

## 产品特点 / Features

- 输入电压 / Input Voltage: Universal AC input 100 - 277VAC
- 高效率典型值 / High Efficiency: 88% 典型值 / Typical
- 主动 PFC / Active PFC: 0.99 最大值 / Max
- 低电流总谐波失真 / Low THD
- 保护功能 / Protections: 过压保护 / OVP ; 短路保护 / SCP
- 恒流 / Constant Current
- 输出低纹波、完全无频闪 / Low Ripple And Noisy, No Stroboscopic
- 三合一调光 / 3-in-1 Dimming Function (0-10V、PWM、Rx)
- 符合主流国际照明设备安规标准 / Compliance To Worldwide Safety Regulations For Lighting
- 适用于干燥 / 潮湿的环境: Suitable For Dry / Damp Location
- 认证 / Certification: CUL、Class P、FCC
- 5 年保修期 / 5 year-Warranty



FC RoHS



## 型号规格 / Model Specifications

Model No. 型号	Longood Code 朗科代码	Input Voltage 输入电压	Output Voltage 恒流电压	Output Current 输出电流	Output Power 输出功率	Efficiency Full Load 满载效率	功率因素 Power Factor (满载 / Full Load)		
							100VAC	220VAC	277VAC
MPU28D-40	RK250A	100-305VAC	30-40V	700mA Max	28W	87%	0.99	0.95	0.92
MPU45D-40	RK251A	100-305VAC	30-40V	1100mA Max	44W	86%	0.99	0.95	0.92
MPU60D-42	RK252A	100-305VAC	30-42V	1500mA Max	63W	90%	0.99	0.95	0.92
MPU75D-40	RK258A	100-305VAC	30-40V	1900mA Max	75W	90%	0.99	0.95	0.92

## 电气规格 / Electrical Specifications

型号 / Model	MPU28D-40	MPU45D-40	MPU60D-42	MPU75D-40
输入电压范围 / Input Voltage Range	100-305VAC			
频率 / Frequency	47-63Hz			
功率因素 / Power Factor	0.99(Max), >0.90 100 ~ 277VAC input, 60% ~ 100% load			
输入电流 / Input Current	0.4A at 100VAC	0.6A at 100VAC	0.9A at 100VAC	1.0A at 100VAC
浪涌电流 / Inrush Current	50A at 220VAC, 25°C cold start			
漏电流 / Leakage Current	0.5mA Max at 220Vac / 50Hz input			
最大输出功率 / Maximum Output Power	28W	44W	63W	75W
线性调整率 / Line Regulation	±5%			
负载调整率 / Load Regulation	±5%			
起机时间 / Start Up Time	<0.5S at 220VAC			
保护功能 / Protections	over voltage, short circuit, auto recovery			
总谐波失真 / THD	<20%, 220VAC, 50Hz input, 70% ~ 100% load <15%, 100VAC, 60Hz input, 60% ~ 100% load			

## 环境规格 / Environmental Specifications

工作温度 / Operating Temperature	-20°C ~ +50°C
工作湿度 / Operating Humidity	20 ~ 95% RH
储存温度 / Storage Temperature	-40°C ~ +70°C
储存湿度 / Storage Humidity	10 ~ 95% RH
冷却方法 / Cooling Method	Natural Cooling
隔绝电压 / Isolation Voltage	input / output 3750VAC
平均无故障时间 / MTBF	300,000 Hours Full Load At 25°C Ambient
使用寿命 / Life Time	35,000 Hours, 25°C
参考尺寸 / Reference Dimension(L×W×T)	200.4 x 86.7 x 34.4mm / (*MPU75D-40) 200.4 x 86.4 x 37.4mm
重量 / Weight	

## 安全 & 电磁兼容标准 / Safety & EMC Compliance

UL / CUL	UL8750 / CAN / CSA C22.2 No. 250.13
Conducted Emissions	FCC Part15
Radiated Emissions	FCC Part15
Harmonic Current Emissions	EN61000-3-2
Voltage Fluctuations And Flicker	EN61000-3-3
Electrostatic Discharge	EN61000-4-2
RF Field Susceptibility	EN61000-4-3
Electrical Fast Transient	EN61000-4-4
Surge Immunity Test	EN61000-4-5 ( Surge: L-N, 1KV, L / N-Earth, 2KV )
Conducted Radio Frequency	EN61000-4-6
Power Frequency Magnetic Field Test	EN61000-4-8
Voltage Dips	EN61000-4-11
Electromagnetic Immunity	EN61547

## 结构外形 / Mechanical Outline ( Unit: mm )

