

Features

- For LED Outdoor & Industrial Application
- High Reliability & Long Life 50,000hrs
- Built-in PFC Function
- Ultra-high Efficiency: up to 91%
- Wide Input Range for Worldwide use (up to 305Vac)
- Lightning Protection: 3kV/6kV
- IP67 Design for Outdoor Installations
- All-round protection: OVP, OCP, OTP, SCP
- 100% Burn-in Test
- Safety: Meet IEC61347-2-13, UL8750 & EMI EN55015



IP67 CE SELV 

SPECIFICATION

Model Name	MVH-75-24	MVH-75-30	MVH-75-36	MVH-75-42	MVH-75-48	MVH-75-54
Output	Rated Power	75W	75W	75W	75W	75W
	Output Voltage	24V	30V	36V	42V	48V
	Rated Current	0~3150mA	0~2500mA	0~2100mA	0~1800mA	0~1560mA
	Output Ripple Current	±1.5%	±1.5%	±1.5%	±1.5%	±1.5%
Input	Input Voltage/ Frequency	120~277Vac / 47~63Hz				
	Power Factor	PF ≥ 0.92 / 230Vac @ full load, 230Vac / 50Hz and rated output voltage				
	Efficiency	89.0%	89.0%	90.0%	90.0%	91.0%
	Inrush Current	75A max. @ full load 230Vac / 50Hz, cold start				
	Leakage Current	≤ 0.75mA / 277Vac				
Environment	Operating Temperature	-40°C~ +70°C (refer to de-rating curve)				
	Operating Humidity	0~100%RH				
	Storage Temperature, Humidity	-40°C~ +85°C : 0~100%RH				
Protection	Over Voltage Protection	35V	50V	50V	63V	68V
	Other Protections	OCP; OTP; SCP				
Safety & EMC	Safety Standards	EN61347-1, EN61347-2-13, UL8750				
	EMC Standard	Compliant with EN55015 / EN55022 / CISPR22 CLASS B, Compliant with EN61000-3-2 Class C (≥ 60% load) EN61000-3-3, Compliant with EN61000-4-2, 3, 4, 5, 6, 8, 11				
	Pulsation Level	5%	5%	5%	5%	5%
	Surge Voltage	Differential Mode ≥ 3KV; Common Mode ≥ 6KV				
	Withstand Voltage (Hipot)	I/P-O/P 3750Vac, I/P-FG 1875Vac				
	Isolation Resistance	I/P-O/P I/P-FG: 100M ohm @ 500Vdc				
Others	Life Time	50000hrs				
	MTBF	200khrs, MIL-HDBK-217F(25°C)				
	Dimension (LxWxH) (mm)	134 x 68 x 42.5mm without bracket, 160 x 68 x 42.5mm with bracket				
	Net Weight / Packing	0.7kg; 16 pcs / box				

Notes:

1. Data at full load and rated voltage, 230Vac/50Hz input, and 25°C ambient temperature unless otherwise specified.
2. Measurement at 20MHz bandwidth oscilloscope and the output paralleled a 0.1µF ceramic capacitor and a 10µF electrolysis capacitor. (Rated input and rated output)
3. The input voltage information on the label should be marked ±10% less than the original input voltage, to conform with safety regulations.
4. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final luminary manufacturers must re-qualify EMC Directive on the complete installation again.



FSP TECHNOLOGY INC. (Russia Office)

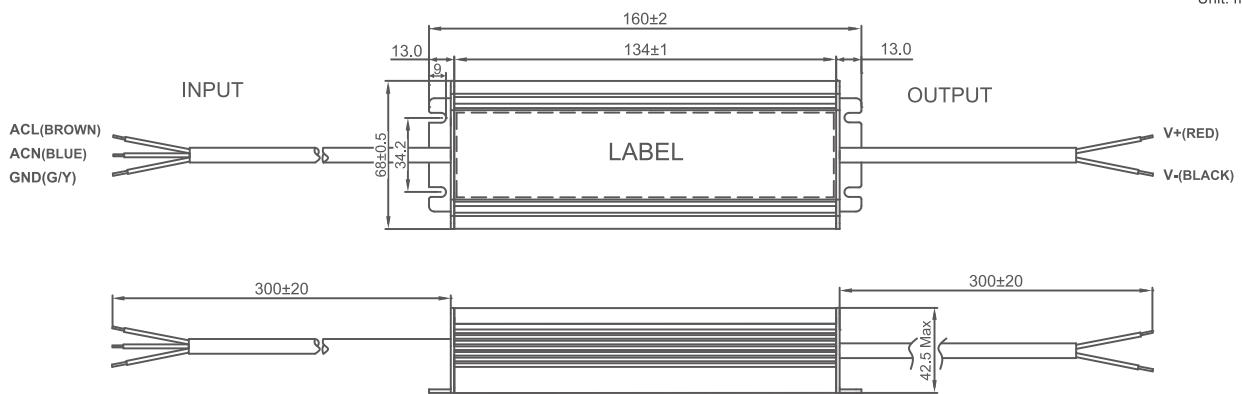
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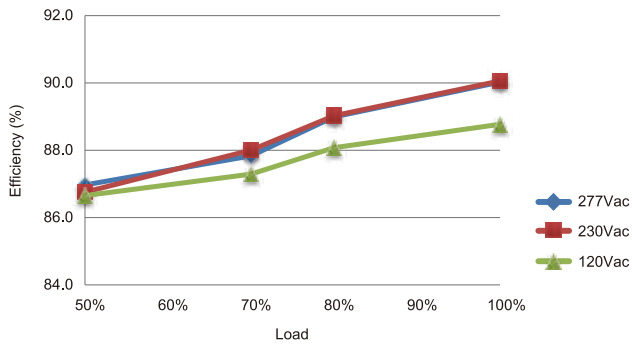
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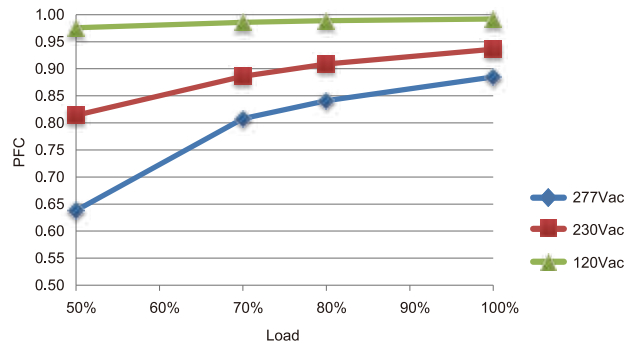
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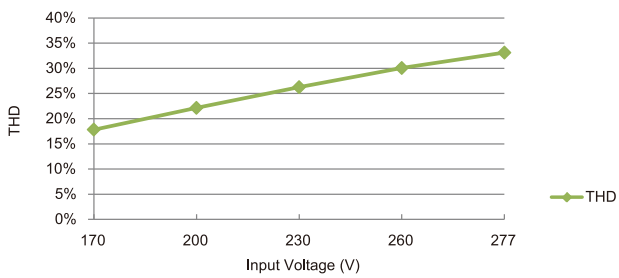
Efficiency



PFC vs Loading



THD vs Input Voltage



Derating Curve

