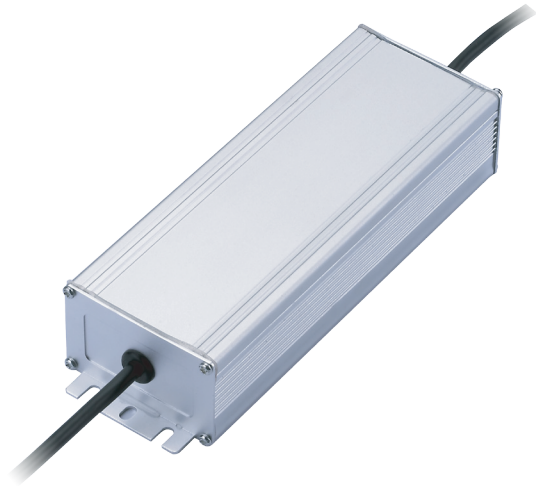


Features

- For LED Outdoor & Industrial Application
- High Reliability & Long Life 50,000hrs
- Built-in PFC Function: up to PF 0.96
- Ultra-high Efficiency: Up to 95%
- Wide Input Range for Worldwide use (up to 305Vac)
- Lightning Protection: 3kV/6kV
- IP67 Design for Outdoor Installations
- All-round protection: OVP, OTP, SCP
- 100% Burn-in Test
- Safety: Meet IEC61347-2-13, UL8750 & EMI EN55015



IP67 CE SELV 

SPECIFICATION

Model Name		KVH-120-24	KVH-120-30	KVH-120-36	KVH-120-42	KVH-120-48	KVH-120-54
Output	Rated Power	120W	120W	120W	120W	120W	120W
	Output Voltage	24V	30V	36V	42V	48V	54V
	Rated Current	0~5A	0~4A	0~3.33A	0~2.86A	0~2.5A	0~2.22A
	Output Ripple Current	±1.5%	±1.5%	±1.5%	±1.5%	±1.5%	±1.5%
Input	Input Voltage/ Frequency	120~277Vac/ 47~63Hz					
	Power Factor	PF≥0.95/230Vac @ full load, 230Vac/50Hz and rated output voltage					
	Efficiency	92.5%	94.0%	94.0%	95.0%	94.5%	94.5%
	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~+85°C : 0~100%RH					
Protection	Over Voltage Protection	35V	45V	50V	58V	68V	70V
	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%	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	50,000 hours					
	MTBF	200,000 hours, MIL-HDBK-217F(25°C)					
	Dimension (LxWxH) (mm)	206 x 68 x 42.5mm with bracket					
	Net Weight / Packing	1.0kg ; 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)

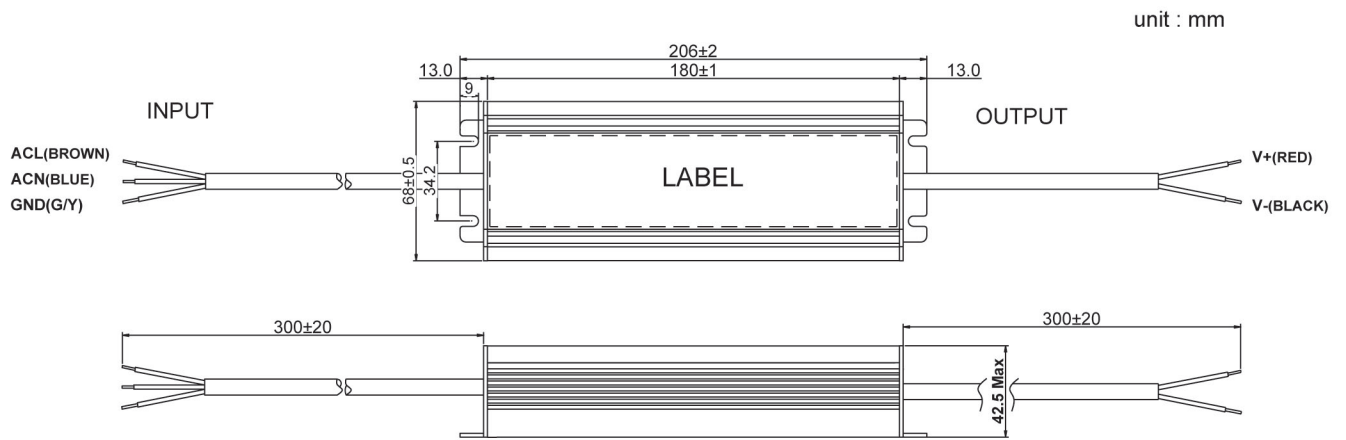
www.fsp-power.ru / rusupport@fsp-power.ru

119571 Moscow, Akademika Anokhina str. 5/3 office 69

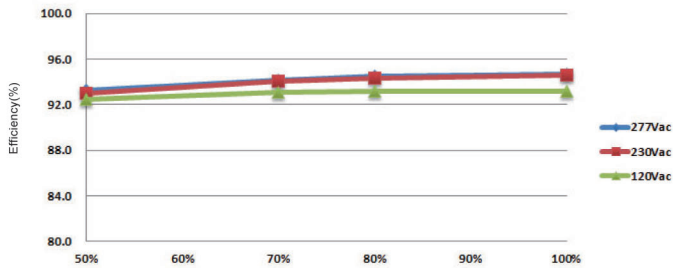
TEL/ FAX : +7(499)730 44 10



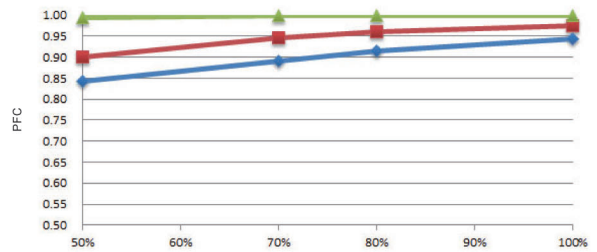
120W Series Drawing



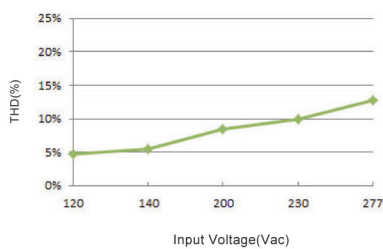
Efficiency



PFC vs Loading



THD vs Input Voltage



Derating Curve

