

# EK2150060FS

## Constant Voltage Driver

### Summary

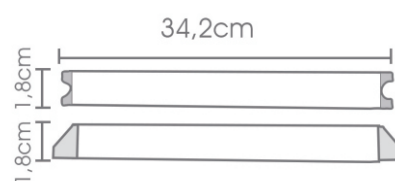
**EK2150060FS** The power supply is applied to Ultra-thin light BOX, LED lighting, industrial equipment, electronic equipment, household appliances, etc.. small size, high efficiency, stability, and reliability. Power supply has output over current protection, output short circuit protection, over temperature protection. The power supply uses the optimal design scheme, so that the power supply efficiency is increased by up to 88%, which greatly saves energy.



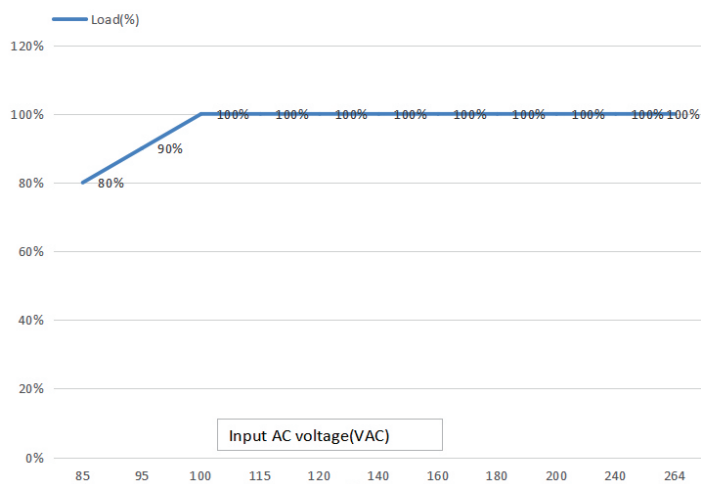
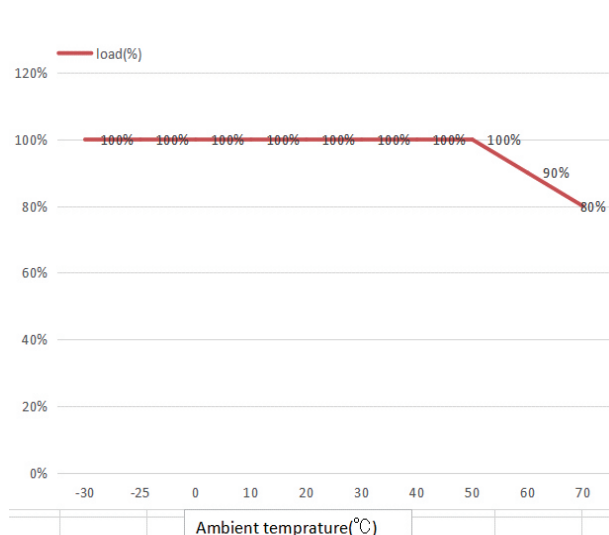
### Product Features

- Wide operating temperature range
- Low standby power consumption
- Output over-voltage protection
- Output over-current protection
- Output short circuit protection
- Over temperature protection
- IP20
- Up to 88% efficiency
- 2 years warranty

### Dimension (mm)



### Derating Curve



## Electrical specification

Model No.		EK2150060FS
Output	DC voltage	24V
	Rated current	2.5A
	Load current range	0~1.5A
	Rated power	60W
	Ripple & noise	150mV Vp-p
	Adjustable voltage	-
	Regulation accuracy	±1%
	Load regulation accuracy	±0.5%
	Source regulation accuracy	±0.5%
	Start, rise time	1500ms, 30ms @ 230VAC at full load
	Hold up time	20ms @ 230VAC at full load
Input	AC input range	180~260VAC/255~368VDC
	Frequency range	47 ~ 63Hz
	Efficiency	88%
	Input current	1.6A @ 230 VAC
	Inrush current	60A / 230VAC cold start
	Leakage current	< 0.75mA / 240VAC
Protection	Over load	Rated load 110%~150%
		Hiccup mode, Auto-recovery
	Over output voltage	26.5~33.6V
		Shut off the output voltage, auto - recovery
Ambient	Over temperature	Shut off the output voltage, auto - recovery
	Operation temperature	-30°C~+70°C (Reference to derating curve)
	Operation humidity	20%~90% RH No condensation
	Storage temperature & humidity	-40°C~+85°C 10~95% RH
	Temperature coefficient	±0.03%/°C (0~50°C)
Safety STD	Vibration resistance	10~500Hz, 5G 10minutes / cycle, each X、Y、Z 60minutes
	Safety STD	TUV EN60950-1, EN60335-1, EN61558-1/-2-16, CCC GB4943
	Withstand voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC, O/P-FG:1KVAC
	Insulation resistance	I/P-O/P, I/P-FG, O/P-FG:100Mohms/500VDC/25°C/70% RH
Other	EMI	EN55022(CISPR22), GB9254(class B), EN55014, EN61000-3-2,-3
	MTBF	≥650K hrs, MIL-HDBK-217F(25°C)
	Dimension	323*20*22mm
	Package	0.16KG
	PF	0.6
Remark	THD	—