

Panfore Electronics Ltd

PFL100

100W Led driver



- Universal AC output/Full range
- Built-in active PFC function;
- Protection: short circuit; overload; over voltage;

Item		Model no.	PFL100W
Output	DC output voltage	+36V	
	Output rated current	2.8A	
	Output current range	0-2.8 A	
	DC output power	100.8W	
	Ripple & Noise	200mVp-p	
	DC voltage adj.	-----	
	Output voltage tolerance	±1% (constant voltage)	
	Output current tolerance	±1% (constant current)	
	Line regulation	±0.5%	
	Load regulation	±0.5%	
	Set up, rise, hold-up time	250ms, 30ms, 20ms/230Vac	
Input	Input voltage range	170~264Vac	18-30V dc
	Input current	0.7A/220Vac	4.7A/24V dc
	Frequency	47~63Hz	-----
	Power factor	>0.97	-----
	Efficiency	85%	88%
	Inrush current	Cold start 40A/230V	-----
	Leakage current	<0.5mA/240Vac	-----
Protection	Short circuit	Type: Pulsing mode,Reset: auto recovery	
Environment	Working Temp., Humidity	-10°C~+60°C @ 100% LOAD,20%-90% RH	
	Storage Temp., Humidity	-20°C - +85°C, 10%-95% RH	
	Temp. Coefficient	±0.03% /°C(0-60°C)	
	Vibration	10-500Hz, 2G 10min./1cycle, period for 60min. Each axes	
Safety & EMC	Safety Standard	MEET EN60950,GB4943	
	Withstand voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC	
	Isolation resistance	I/P-O/P, I/P-FG, O/P-FG:500VDC / 100M Ohms	
	EMC Standard	MEET EN55022 CLASS B,GB9254 CLASS B	
Others	Size	200*100*50mm	
	Weight	1Kg	
Remark	<ol style="list-style-type: none"> 1. All parameters are specified at 230Vac input, rated load,25°C 70% RH ambient; 2. Tolerance: includes set up tolerance, line regulation, load regulation, 3. Ripple & Noise are measured at 20MHz of bandwidth by using a 30cm twisted-pair wire terminated with a 0.1uf & 47uf parallel capacitor; 4. Line regulation is measured from low line to high line at rated load; 5. Load regulation is measured from 0%~100% at rated load. 		