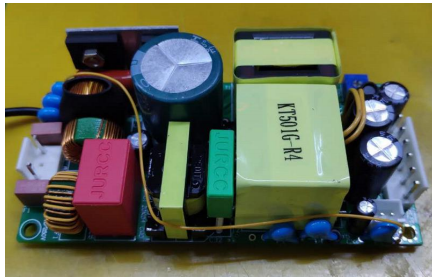




KPSP200



Features:

- Small size, high efficiency;
- International universal full voltage input;
- Built-in active PFC function;
- Built in filter, low noise, high reliability;
- Overload , short circuit , low-voltage , over-voltage , over-temperature etc. protection function

Parameter

Parameter		Model	KPSP200-12	KPSP200-24	KPSP200-33	KPSP200-36	KPSP200-48
Output	Input voltage		+12VDC	+24VDC	+33VDC	+36VDC	+48VDC
	Rated current		16.7A	8.4A	4.5A	5.6A	4.2A
	Current range		0-16.7A	0-8.4A	0-4.5A	0-5.6A	0-4.2A
	Rated power(10cfm fan)		200.4W	201.6W	201.6W	201.6W	201.6W
	Rated power(natural air cooling)		140W	140W	150W	150W	150W
	Ripple & noise		150mVp-p	200mVp-p	280mVp-p	300mVp-p	300mVp-p
	Voltage adjustable range		11.4-12.6V	22.8-25.2V	29.7-36.3V	34.2-37.8V	45.6-50.4V
	Output accuracy		±1%				
	Line regulation		±0.5%				
	Load regulation		±0.5 %				
	Set up、rise、keep up time		1000ms,20ms,12ms				
Input	Input voltage range		100V~240V AC				
	Input current		1 A/230Vac 1.9A@115Vac				
	Frequency range		50~60Hz				
	Efficiency @230Vac		92%	93%	93%	94%	94%
	Power factor		PF>0.98/115V & PF>0.95/230V				
	Inrush current		Cool start 60A/230Vac				
	Leakage current		<0.5mA@240V				
Protection	Overload protection		105~150% Hiccup protection, automatic recovery.				
	Output over-voltage protection		>120% Shut down, Locked protection				
	Over-temperature protection		TS1 position>105°C it will be protection, then automatic recovery.				
Function	Fan assist power supply		12V/0.5A power for fan , tolerance±15%				
Environment	Work temperature humidity		-20~70°C, 10~90% RH, No condensation				
	Storage temperature humidity		-20~85°C, 10~95% RH				
	Temperature drift		±0.03%/°C(0~50°C)				
	Vibration		10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES				
Safety & EMC standards	Safety standards		GB4943 EN60950 EN62368-1				
	Withstand voltage		I/P-O/P:4KV; I/P-FG: 2KV; O/P-FG:0.6KV AC 1min.				
	Insulation resistance		I/P-O/P, I/P-FG, O/P-FG:500VDC / 100M Ohms				
	EMC standards		EN55015 CLASS B; EN61000-3-2 EN60601				
Others	Dimension		101.6*50.8*30 (PCB type) 101.6*54*35 (With shell)				

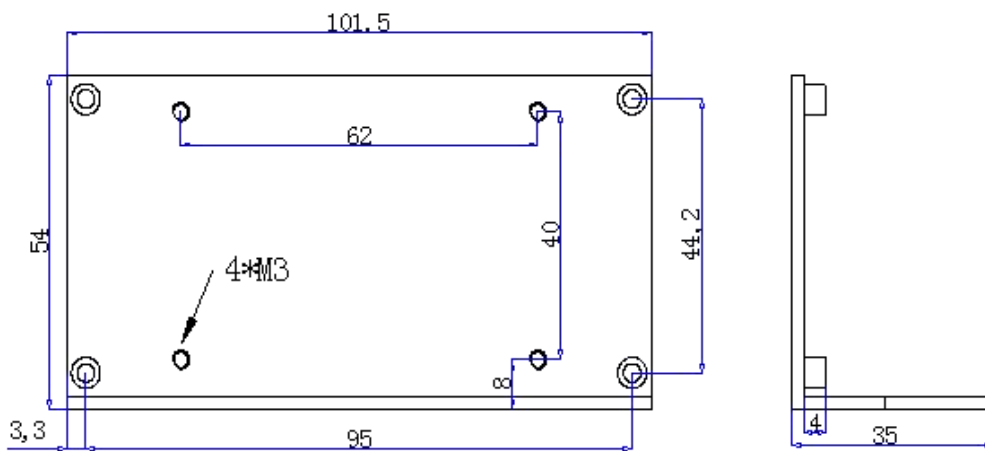


KPSP200

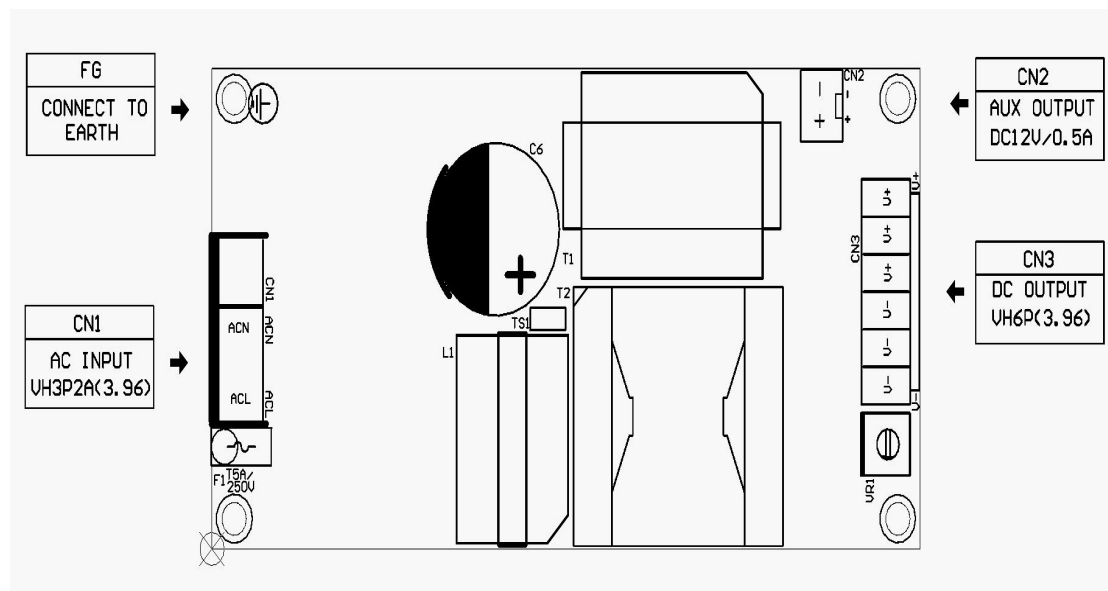
	Weight	0.2 KG
Notes	<ul style="list-style-type: none"> ● All parameter 230VAC input, rated load, environment temperature 25°C, measured under conditions of 70% humidity; ● Accuracy: including set up tolerance, line regulation, Load regulation etc; ● Ripple test: 30cm long wire connect power supply and load, load end parallel 0.1u and 47u capacitor, the 20MHz oscilloscope was measured at the load end; ● Line regulation: at rated load conditions, the input voltage change from low to high measured; ● Load regulation: the measured output from 0-100% load changes measured; ● The load is more than 150W, need to add at least 10CFM to heat dissipation 	

Dimension:

Unit: mm



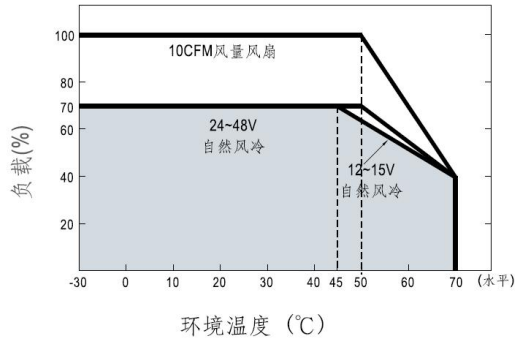
Terminal definition:



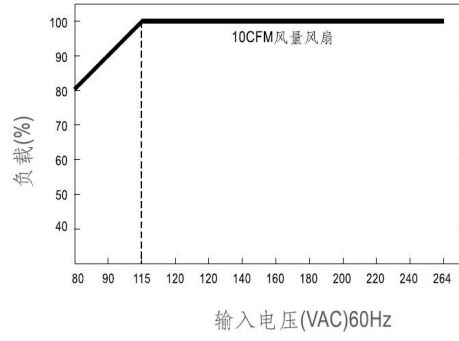
Load characteristic curve:



KPSP200



Temperature-load curve



Input voltage- load curve