

DKP300 series

■ Features

- Universal AC input/Full range
- Built-in active PFC function, PF>0.95
- Protections : Short circuit/over load/over voltage/over temperature
- cooling by dc fan
- 100% full load burn-in test
- 2 year warranty

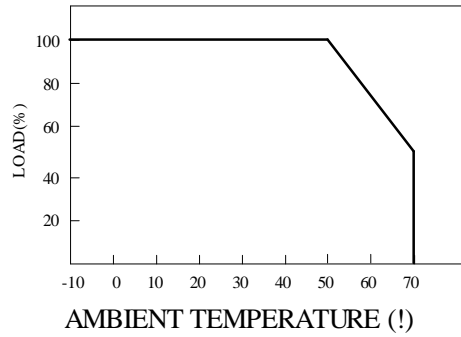


SPECIFICATION

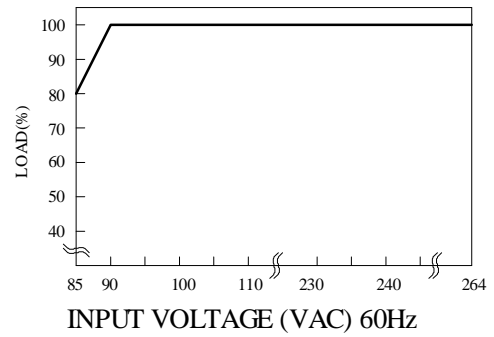
Model		DKP300-05	DKP300-12	DKP300-15	DKP300-24	DKP300-36	DKP300-48
Output	DC Voltage	5V	12V	15V	24V	36 V	48V
	Rated Current	60.00A	25.00A	20.00 A	12.50A	8.33A	6.25A
	Current Range	0-60.00A	0-25.00A	0-20.00A	0-12.50A	0-8.33A	0-6.25A
	Rated Power	300W	300W	300W	300W	300W	300W
	Ripple & Noise	75mVp-p	120mVp-p	150mVp-p	240mVp-p	300mVp-p	300mVp-p
	Voltage ADJ. Range	4.75-5.50V	11.40-13.20V	13.50-16.50V	21.60-26.40V	32.40-39.60V	43.20-52.80V
	Voltage Tolerance	±1.5%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Load Regulation	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%
	Set up , rise time	900ms, 60ms/230Vac at full load					
Hold Time	20ms/230Vac at full load						
Input	Voltage Range	85~264Vac 120~370Vdc					
	Frequency Range	47~63Hz					
	Power factor(typ.)	PF>0.98/AC115V PF>0.95/AC230V					
	Efficiency	75% 230Vac	80% 230Vac	80% 230Vac	82% 230Vac	84% 230Vac	85% 230Vac
	AC current	5.0A/115Vac 2.5A/230Vac					
	Inrush Current	Cold start 30A/115Vac 60A/230Vac					
	Leakage Current	<0.75mA 240Vac					
Protection	Over Load	110% -150% rated output power Hiccup mode, recovers automatically after fault condition is removed .					
Environment	Working temp.	-10~ +60°C( refer to output derating curve )					
	Working Humidity	20~90%RH non-condensing					
	StorageTemp., umidity	-20~+85°C , 10~95% RH					
	Temp. Coefficient	±0.03%/°C (0~50°C)					
	Vibration	10~500Hz, 2G 10min./1cycle , period for 60min , each along X, Y, Z axes					
Safety & EMC	Safety Standard	UL1012, ,UL60950-1 approved .					
	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:100M Ohms/500Vdc					
	EMIconduction& adiation	Compliance to EN55022 Class B					
	Harmonic Current	Compliance to EN61000-3-2,-3					
EMS Immunity	Compliance to EN61000-4-2,3,4,5 ,EN55024						
Others	MTBF	20,000hours min at 25°C					
	Dimension	230mm*115mm*50mm					
	Weight	1.20KGS/PC					

■ Derating Curve

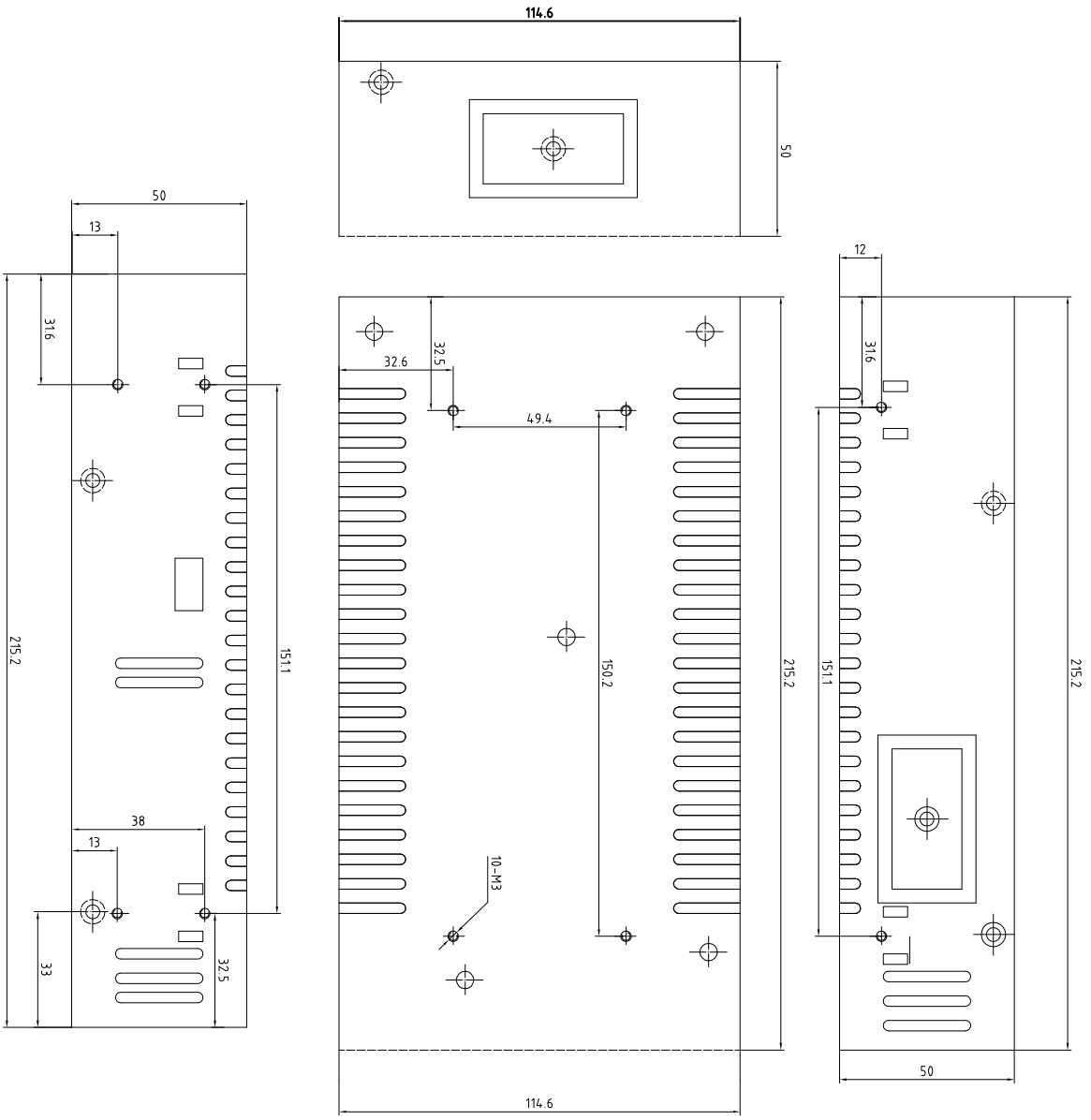
Derating Curve



Output Derating VS Input Voltage



■ Mechanical Specification



J1 Pin Connections	
Pin	Function
1	AC Live
2	AC Neutral
3	⊕
4	Ground
5	Ground
6	Ground
7	+Vout
8	+Vout
9	+Vout

