

## Comparison Chart: VIP's 300W with others 400W SMPS

Features	Kunhar		BestITworld	Odyssey	Zebronics	Enterage	Notes: Green=Better, Orange=Weak
Brand	Powersafe	VIP	iBall	Odyssey	Zebronics	Power3	We dare to compare VIP's 300W SMPS with others 400W SMPS !!!
Power Rating (Watt)	<b>400W</b>	<b>300W</b>	<b>400W</b>	<b>400W</b>	<b>400W</b>	<b>400W</b>	
Model	LC-C-400ATX	VIP300W-ATXP4	LPE223-400	KY-500ATX	ZEB-400W	ATX P4 400W	
Serial	05120010733	05110189971	i5245L1708	SP40516400	SDH188714	GP005131756	The authenticity of this report
Manufacturing	Jan-2006	Jan-2006	Dec-2005	Nov-2005	Dec-2005	Nov-2005	Date of Manufacturing
Manufactured by	L & C, Taiwan		L. Ele., Thailand	CIL, ?	GMC, China	GP, ?	Manufactured by, Country
Approvals	EMC, UL, TUV, FCC, CE, LVD, CB		Only CE	Nil	Nil	FCC, CE	
Color Cartoon	Yes, 2 Color	-	Yes, 2 Color	No	No	No	Attractive Packing
Power cord	Yes, Good Quality		No	No	No	No	How can you run a PS without a cord?
Power Switch	No	No	No	Yes	No	No	Now a days no one uses back switch.
110V/220V	No	No	No	Yes	No	No	Useful in USA, Danger in India!
Cabinet Metal/Finish	Golden, Excellent	Traditional	Traditional	Traditional	Traditional	Traditional	Powersafe cabinet is high grade material.
Cabinet Size (mm)	140 (Std)	140 (Std)	105 (Small)	140 (Std)	140 (Std)	140 (Std)	140 mm length is standard PS specification
Power (Watts)	<b>502</b>	<b>454.7</b>	467.6	391.91	246.3	268.1	This is product of following Ratings
O/P Current +3.3V	28A	27A	25A	26A	14A	12A	More is better
O/P Current +5V	30A	26A	32A	30A	15A	18A	More is better
O/P Current +12V	20A	18A	17A	12A	9A	10A	Graphics uses more power from +12V
O/P Current -5V	-	-	0.3A	0.5A	0.5A	0.5A	PCI board does not require -5V supply.
O/P Current -12V	0.8A	0.8A	0.8A	0.8A	0.8A	0.5A	More is better
O/P Current +5VSB	2A	2A	2A	2A	1A	2A	More is better
Output Connector							
Mother Board	20 Pin + 4 Pin	20 Pin + 4 Pin	20 Pin only	20 Pin + 4 Pin	20 Pin + 4 Pin	20 Pin + 4 Pin	20 Pin + 4 Pin is universal
Fan	Dual 3"	Single 3"	Single 3"	Single 3"	Single 3"	Single 3"	Dual Fan is better
R. F. Filter (SMPS)	Yes, Strong	Yes, Good	Yes, Very Small	No	No	No	Radio Frequency Interface Filter. This is very imp feature on Powersafe/VIP SMPS
R. F. Filter (Monitor)	Yes, Strong	No	No	No	No	No	
Input Bridge Diode	6A	3A	2A	2A	2A	2A	VIP/Powersafe SMPS are packed with Bigger in Size and Higher Rating Power Devices, Active as well as passive components, Good Quality Heatsink for Better Cooling, Better Reliability, Long Term Stability and Higher Efficiency. Output Coils are used for Ripple and regulation, some of other make SMPS they had removed the coils for cost cutting but this will result in Poor regulation of output and high ripple. VIP/Powersafe SMPS controlled by a single specially designed chip, hence more reliability.
Input Capacitors	680uF/200V	330uF/200V	470uF/200V	330uF/200V	330uF/200V	330uF/200V	
Main Transistors	2SC3320 (Big)	TT2146	D13007	D13007	D13007	D13007	
SB Transistor	2N60 (Std)	2N60 (Std)	C5027 (Small)	C5027 (Small)	2N60 (Std)	2N60 (Std)	
Heat sink (S, W, F)	Big, Heavy, Multi	Mid, Light, Single	Big, Light, Single	Mid, Light, Single	Small, Light, Multi	Mid, Light, Single	
Output Diodes							
3.3V Diode	SB3045	SB1645	SB3040	CEP51A3	SB1220	SB1040	
5V Diode	SB2045	SB3045	40TO3GP	SB2040	SB3040	SB2045	
12V Diode	SB2060	SB1060	12C20	FR 302	CEP703	FR302	
Switching IC	Combined IC	Combined IC	Weltrend	TL494	TL494	TL494	
Control IC	2005	2005	WT7514L	LM 339	Transistors	LM 339	
Main Transformer	35mm	35mm	33mm	35mm	35mm	35mm	
Output Coils	3 + 1 Main	3 + 1 Main	No + 1 Main	No + 1 Main	1 + 1 Main	2 + 1 Main	