

Products Specification

FLYING POWER SUPPLY TECHNOLOGY CO., LTD				
Products Specification		Prepared By	Checked By	Approved By
MODEL :	FY-4305C	USED ON:	LCD TV	
DATE:	Feb-17-2006			
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FY- 4305C LCD TV POWER SUPPLY MODEL							
S/N	TEST ITEMS	UNIT	VALUE				TEST CONDITIONS/RECORDS
INPUT							
01	Input Voltage Range	Vac	90 – 264Vac				
02	Nominal Input Voltage	Vac	120 & 230				
03	Input Current (Max.)	Arms	2.75A				
04	Inrush Current (Typical)	Arms	Less than 50 at 230Vac				
05	Switching Frequency	KHz	65 (Typical) +/-10%				
06	Power Factor Corrector(PFC)	-----	≥0.95				
07	Standby power	W	≤0.3W				
08	Input Power (Max)	W	280				
OUTPUT							
01	Output Voltage (Type.)	V	+24V	+12V	+5V	PS-ON	
02	Output Current (Max.)	A	6.0	5.0	5.0	TTL	
03	Line regulation	V	±0.2	±0.1	±0.1	---	
04	Load regulation		±10%	±5%	±5%	---	
05	Ripple (Max.)	mVp-p	240	120	50	---	
06	Over Current Protection	A	≤10	≤7	≤7		
07	Over Voltage Protection	V	27±5%	14.5±5%	6.2±5%		
08	Over temperature Protection	°C	100±10%				
09	Short Circuit Protection		Y	Y	Y		
10	Efficiency (Typ.)	%	≥83(for input 120Vac) , ≥88(for input 230Vac)				At full load
11	PS-ON Control Logic		1:>1.75V , 0:<0.7V		1-ON,	0-OFF	
GENERAL							
01	Operating Temperature	C	0~ +40				
02	Operating Humidity	%RH	10~90%(non-condensing).				
03	Storage Temperature	°C	-20~+75				
04	Storage Humidity	%RH	10-90 (non-condensing.)				
05	Cooling	--	Natural Convection				
MECHANICAL							
01	Weight (Typ.)	g	≤650				
02	Size	mm	L*W*H=190*130*23				
03	Input Connection	--	TJC6-5A(Remove pin2&pin4,pitch=3.96mm)				
04	Output Connection	mm	TJC3-10A,TJC3-7A,TJC3-2A(pitch=2.54mm)				
05	Enclosure		Open-Frame				
SAFETY							
01	Withstand Voltage (Hi-Pot) in Finish Product in AC rms	KV	I/P to O/P :3.0 (1 min.)				For final unit,AC voltage & cut-off Current=10mA
02	Safety Standard		Design to meet UL1950,IEC60950,EN60950,GB4943-2001				
03	EMI Standard		FCC Class B, EN55022 Class B				
NOTES:							
The typical testing environment is at temperature 25 °C and relatively humidity 56%RH.							