

E-Star Power Development Co., Ltd. (E-STAR)

1F., No.40, Juren Ln., Sec. 2, Sanmin Rd., Banciao Dist., New Taipei City

22069, Taiwan (R.O.C.)

Phone: 886-2-2957 5580 Fax: 886-2-2957 7473

65W Open Frame type Triple output power supply > PT-65



■ Features :

- · Universal AC input/Full range
- · Low leakage current<0.5mA
- Protections: Short circuit / Overload / Over voltage
- · Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at 65KHz
- 2 years warranty



MODEL		PT-65A			PT-65B			PT-65C			PT-65D			
	OUTPUT NUMBER	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	
ОИТРИТ	DC VOLTAGE	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V	5V	12V	24V	
	RATED CURRENT	5.5A	2.5A	0.5A	5.5A	2.5A	0.5A	5.5A	2A	0.5A	4A	2A	1A	
	CURRENT RANGE	0.4 ~ 7A	0.2 ~ 3.2A	0 ~ 0.7A	0.4 ~ 7A	0.2 ~ 3.2A	0 ~ 0.7A	0.4 ~ 7A	0.2 ~ 2.6A	0 ~ 0.7A	0.5 ~ 5A	0.2 ~ 4A	0.2 ~ 1.3/	
	RATED POWER	60W			63.5W			65W			68W			
	OUTPUT POWER (max.)	Rated out	put power f	or convecti	on; 72W wit	th 18CFM n	nin. Forced	air						
	RIPPLE & NOISE (max.) Note.2								120mVp-p	100mVp-p	50mVp-p	100mVp-p	200mVp-	
	VOLTAGE ADJ. RANGE	CH1:4.75			1 1									
	VOLTAGE TOLERANCE Note.3	±4.0%	±7.0%	±5.0%	±4.0%	±7.0%	±5.0%	±4.0%	±7.0%	±5.0%	±4.0%	±6.0%	±6.0%	
	LINE REGULATION	±1.0%	±2.0%	±1.0%	±1.0%	±2.0%	±1.0%	±1.0%	±2.0%	±1.0%	±1.0%	±2.0%	±3.0%	
	LOAD REGULATION	±3.0%	±4.0%	±1.0%	±3.0%	±4.0%	±1.0%	±3.0%	±4.0%	±1.0%	±2.0%	±5.0%	±5.0%	
	SETUP, RISE TIME	800ms, 20ms at full load												
	HOLD UP TIME (Typ.)	C217000	60ms at full load											
INPUT	VOLTAGE RANGE	90 ~ 264VAC												
	FREQUENCY RANGE	47 ~ 440Hz												
	EFFICIENCY(Typ.)	76%	Towns to the second sec							79%				
	AC CURRENT (Typ.)	1.5A/115\	/AC 0	.9A/230VA	1.1.1.1.1			7770			7070			
	INRUSH CURRENT (Typ.)	COLD START 20A/115VAC 40A/230VAC 40A/230VAC												
	LEAKAGE CURRENT	<0.75mA												
		73 ~ 95W rated output power 74.8 ~ 98.6W rated output power												
PROTECTION	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed.												
		5.75 ~ 6.75VDC on CH1												
	OVER VOLTAGE	Protection type: Hiccup mode, recovers automatically after fault condition is removed.												
ENVIRONMENT	WORKING TEMP.	-10 ~ +60°C (Refer to "Derating Curve")												
	WORKING HUMIDITY	20 ~ 90% RH non-condensing												
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH												
	TEMP. COEFFICIENT	±0.04%/°C (0 ~ 50°C) on +5V output												
	VIBRATION		10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes											
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL62368-1, TUV EN62368-1, EAC TP TC 004 approved												
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC 1min.												
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH												
	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020												
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A, EAC TP TC 020												
	MTBF	277.2K hrs min. MIL-HDBK-217F (25°C)												
	DIMENSION	127*76*42mm (L*W*H)												
	PACKING	0.25Kg; 54pcs/15.9Kg/1.28CUFT												
NOTE	1. All parameters NOT specia 2. Ripple & noise are measure 3. Tolerance : includes set up 4. The power supply is consid a 360mm*360mm metal pla perform these EMC tests, p 5. Mounting holes M1 and M2 6. Heat Sink HS1,HS2 can no	ally mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. ed at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uf & 47 uf parallel capacitor. tolerance, line regulation and load regulation. dered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on atte with 1 mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to please refer to "EMI testing of component power supplies." 2 should be grounded for EMI purposes.												



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