



SPECIFICATION

65W Triple Output Switching Power Supply

RT-65 series



MW Search: https://www.meanwell.com/serviceGTIN.aspx

■ Features :

- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- · LED indicator for power on
- * 100% full load burn-in test
- * All using 105°C long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- High operating temperature up to 70°C
- Withstand 5G vibration test
- · High efficiency, long life and high reliability
- 3 years warranty



	ATION	DT CEA			DT CED			UL62368-1 BS EN/EN62368-						
MODEL	I	RT-65A			RT-65B			RT-65C			RT-65D			
ОИТРИТ	OUTPUT NUMBER	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	
	DC VOLTAGE	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V	5V	24V	12V	
	RATED CURRENT	6A	2.8A	0.5A	5A	2.8A	0.5A	5A	2.2A	0.5A	4A	1.5A	1A	
		0 ~ 8A	0 ~ 3.5A	0 ~ 1A	0 ~ 8A	0 ~ 3.5A	0 ~ 1A	0 ~ 8A	0 ~ 3A	0 ~ 1A	0 ~ 8A	0 ~ 2A	0 ~ 1A	
		66.1W						65.5W			68W			
	RIPPLE & NOISE (max.) Note.2			80mVp-p							80mVp-p 150mVp-p 120mVp-p			
	VOLTAGE ADJ. RANGE	CH1: 4.75			CH1: 4.75 ~ 5.5V			CH1: 4.75 ~ 5.5V			CH1: 4.75 ~ 5.5V			
	VOLTAGE TOLERANCE Note.3	±2.0%	±6.0%	±5.0%	±2.0%	±6.0%	±5.0%	±2.0%	+8,-4%	±5.0%	±2.0%	+4,-10%	±6.0%	
	LINE REGULATION Note.4	±0.5%	±1.5%	±0.5%	±0.5%	±1.5%	±0.5%	±0.5%	±1.5%	±0.5%	±0.5%	±1.5%	±2.0%	
	LOAD REGULATION Note.5	±1.0%	±3.0%	±1.0%	±1.0%	±3.0%	±1.0%	±1.0%	±3.0%	±1.0%	±1.0%	±3.0%	±4.0%	
	SETUP, RISE TIME	500ms, 20ms/230VAC 1200ms, 30ms/115VAC at full load												
	HOLD UP TIME (Typ.)	60ms/230VAC 14ms/115VAC at full load												
INPUT	VOLTAGE RANGE	88 ~ 264VAC 125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)												
	FREQUENCY RANGE	47 ~ 63Hz												
	EFFICIENCY(Typ.)	76%			76%	76%			77%			78%		
	AC CURRENT (Typ.)	2A/115VA	.C 1.2	A/230VAC										
	INRUSH CURRENT (Typ.)	COLD START 50A/230VAC												
	LEAKAGE CURRENT	<2mA / 240VAC												
PROTECTION		110 ~ 150% rated output power												
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed												
	OVED VOLTACE	CH1: 5.75 ~ 6.75V												
	OVER VOLTAGE	Protection type: Hiccup mode, recovers automatically after fault condition is removed												
ENVIRONMENT	WORKING TEMP.	-25 ~ +70°	°C (Refer to	o "Derating	Curve")									
	WORKING HUMIDITY	20 ~ 90% RH non-condensing												
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH												
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)on +5V output												
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes												
	SAFETY STANDARDS	UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004 approved												
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC												
EMC (Note 7)	ISOLATION RESISTANCE	I/P-O/P, I/	P-FG, O/P-	-FG:100M (Ohms / 500'	VDC / 25°C	70% RH							
	EMC EMISSION	Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020												
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN61000-6-2 (BS EN/EN50082-2), heavy industry level, EAC TP TC 020												
OTHERS	MTBF	2720.8K hrs min. Telcordia SR-332 (Bellcore) ;507.6K hrs min. MIL-HDBK-217F (25°C)												
	DIMENSION	129*98*38	129*98*38mm (L*W*H)											
	PACKING	0.44Kg; 30	0.44Kg; 30pcs/13.2Kg/0.72CUFT											
NOTE	1. All parameters NOT special	ly mention	ed are me	asured at 2	230VAC inp	out, rated lo	oad and 25	°C of amb	ent tempe	rature.				

NOTE

- 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.

 3. Tolerance: includes set up tolerance, line regulation and load regulation, when multi-channel output, it is recommended that CH1 load > 10%.
- 4. Line regulation is measured from low line to high line at rated load.
- 5. Load regulation is measured from 20% to 100% rated load, and other output at 60% rated load.
- 6. Each output can work within current range. But total output power can't exceed rated output power.
- 7. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)
- 8. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft)
- ※ Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx



User's Manual





