



DEVETECH ELECTRONICS CO. LTD

35W Single Output Switching Power Supply

DVLRS-35 series

Features:

- Universal AC input/ full range
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- High operating temperature up to 70°C
- High efficiency, long life and high reliability
- 2 years warranty

SPECIFICATION						
OUTPUT						
Model	DVLRS-35-5	DVLRS-35-12	DVLRS-35-15	DVLRS-35-24	DVLRS-35-36	DVLRS-35-48
DC Voltage	5V	12V	5V	24V	36V	48V
Rated Current	7A	3A	2.4A	1.5A	1A	0.8A
Current Range	0~7A	0~3A	0~2.4A	0~1.5A	0~1A	0~0.8A
Rated Power	35W	36W	36W	36W	36W	38.4W
Ripple & Noise	80mVp-p	120mVp-p	120mVp-p	150mVp-p	200mVp-p	200mVp
Voltage Adj. Range	4.5 ~ 5.5V	10.2~ 13.8V	13.5~18V	21.6~28.8V	32.4~39.6V	43.2~52.
Voltage Tolerance	±2.0%	±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%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Setup, Rise Time	1000ms, 30ms/230VAC 2000ms, 30ms/115VAC at full load					
Hold Up Time	30ms/230VAC 12ms/115VAC at full load					
INPUT						
Voltage Range	85 ~ 264VAC		120 ~ 373VDC			
Frequency Range	47 ~ 63Hz					
Efficiency	82%	86%	86%	88%	88%	89%
AC Current	0.7A/115VAC 0.42A/230VAC					
Inrush Current	Cold start 45A/230VAC					
Leakage Current	<0.75mA / 240VAC					
PROTECTION						
Over Load	110 ~ 150% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed					
Over Voltage	5.75~6.9V	13.8 ~ 16.2V	18.75~21.75V	28.8 ~ 33.6V	41.4~48.6V	55.2~ 64.8V
	Protection type: shut down o/p voltage, re-power on to recover					



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ENVIRONMENT	
Working Temp.	-30 ~ +70°C (Refer to “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)
Vibration	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes
SAFETY & EMC	
Safety Standards	UL60950-1, TUV EN60950-1, EN60335-1/-2-16, CCC GB4943 approved
Withstand Voltage	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.25KVAC
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH
EMC Emission	Compliance to EN55022(CISPR22), GB9254 CLASS B, EN55014 EN 61000-3-2,-3
EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2(EN50082-2), heavy industry level, criteria A
OTHERS	
Dimension	99*82*30mm (L*W*H)
Weight	0.23Kg
Packing	60pcs/carton/14.8kg/0.88CUFT
NOTE	
<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 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. 4. Line regulation is measured from low line to high line at rated load. 5. Load regulation is measured from 0% to 100% rated load. 6. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. 7. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time. 	



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