



Features:

- Universal AC input/Full range
- Protections: Short circuit/Over load/Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at 60KHz
- 2 years warranty

Characteristics								
Part Number	PS-35-3.3	PS-35-5	PS-35-7.5	PS-35-12	PS-35-13.5	PS-35-15	PS-35-24	PS-35-48
DC Voltage	3.3V	5V	7.5V	12V	13.5V	15V	24V	48V
Rated Current	6A	6A	4.7A	3A	2.6A	2.4A	1.5A	0.75A
Rated Power	19.8W	30W	35.25W	36W	35.1W	36W	36W	36W
Ripple & Noise	80mVp-p	100mVp-p	100mVp-p	120mVp-p	120mVp-p	150mVp-p	200mVp-p	240mVp-p
Voltage Adj Range	3.14 ~ 3.63V	4.75 ~ 5.5V	7.13 ~ 8.25V	10.8 ~ 13.2V	12.15 ~ 14.85V	13.5 ~ 16.5V	21.6 ~ 26.4V	43.2 ~ 52.8V
Voltage Tolerance	±2.0%	±2.0%	±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%	±0.5%	±0.5%
Load Regulation	±1%	±1%	±1%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Setup, Rise Time	1200ms, 30ms/230VAC, 1200ms, 30ms/115VAC at full load							
Hold Time	50ms/230VAC, 10ms/115VAC at full load							
Voltage Range	90 ~ 264VAC 127 ~ 370VDC							
Frequency Range	47 ~ 440Hz							
Efficiency	70%	78%	80%	81%	81%	81%	85%	84%
AC Current	0.75A/115VAC 0.5A/230VAC							
Inrush Current	COLD START 23A/115VAC 45A/230VAC							
Leakage Current	<2mA / 240VAC							
Over Load	105 ~ 150% rated output power (3.3V: 105 ~ 160% rated output power)							
Over Voltage	3.8 ~ 4.95V	5.75 ~ 6.75V	8.63 ~ 10.5V	13.8 ~ 16.2V	15.5 ~ 18.2V	17.25 ~ 20.25V	27.6 ~ 32.4V	55.5 ~ 62.4V
Working Temp.	-20 ~ +65J (Refer to output load derating curve)							
Working Humidity	20 ~ 90% RH non-condensing							
Storage Temp	-20 ~ +85J, 10 ~ 95% RH							
Temp Coefficient	0.05%/J (0 ~ 50J)							
Vibration	10 ~ 500Hz, 2G 10min./1cycle, Period for 60min.each along X, Y, Z axes							
Safety Standards	UL60950, TUV EN60950-1 Approved							
Withstand Voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC							
Isolate Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC							
EMI Conduction & Radiation	Compliance to EN55022 (CISPR22) Class B							
Harmonic Current	Compliance to EN61000-3-2,-3							
EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, Light industry level, criteria A							
MTBF	588.8Khrs							
Dimensions	101.6*50.8*24mm (L*W*H)							

Stontronics Ltd

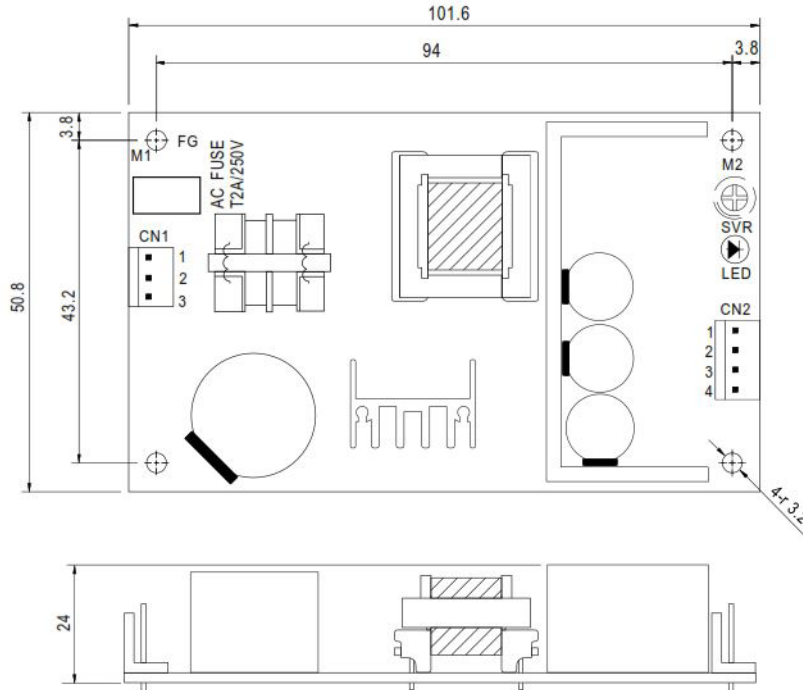
Chancerygate Business Centre, Cradock Road, Reading, Berkshire, RG2 0AH.

Tel: +44 (0) 118 931 1199 • Fax: +44 (0) 118 931 1145 • Email: info@stontronics.co.uk • Web: www.stontronics.com

Please Note: Image shown is representative of entire range. Individual PSU image &/or drawings or data sheets available on request.

Stontronics Ltd accepts no responsibility for typographical errors in the production of this leaflet. Product specifications are subject to change without notice.





AC Input Connector (CN1) : JST B3P-VH-B or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	AC/L	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
3	AC/N		
2	NC		

DC Output Connector (CN2) : JST B4P-VH-B or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1,2	+V	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
3,4	-V		

