

Giden Electronics



350W Single Output Switching Power Supply S-350 series

Features:

- High efficiency, high reliability, low cost
- Universal AC input / full range
- 100% full load burn-in test
- Protections: Short circuit/ Over load/ Over voltage
- PWM control and regulated
- Forced air cooling by built in DC fan
- Built-in cooling Fan ON-OFF control
- Fixed switching frequency at 25 KHz
- 2 years warranty

SPECIFICATIONS								
OUTPUT								
Model	S-350-5	S-350-7.5	S-350-12	S-350-13.5	S-350-15	S-350-24	S-350-27	S-350-70
DC Voltage	5V	7.5V	12V	13.5V	15V	24V	27V	70V
Rated Current	50A	40A	29A	25.8A	23.2A	14.6A	13A	5A
Current Range	0-50A	0-40A	0-29A	0-25.8A	0-23.2A	0-14.6A	0-13A	0-5A
Rated Power	250W	300W	348W	348.3W	348W	350.4W	351W	350W
Ripple & Noise	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	240mVp-p
Voltage Adj. Range	-11%,+12%	±20%	-15%,+10%	-12%,+11%	-10%,+20%	-16%,+10%	-4%,+18%	-15%,+17%
Voltage Tolerance	±2%	±2%	±1%	±1%	±1%	±1%	±1%	±1%
Setup, Rise, Hold Up Time	200ms,50ms,20ms at full load							
INPUT								
Voltage Range	90~132VAC/180~264VAC selected by switch 47~63Hz; 254~370VDC							
AC Current	6.5A/115V 4A/230V							

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Efficiency	75%	76%	80%	80%	80%	83%	84%	84%
Inrush Current	Cold start 50A/115V 50A/230V							
Leakage Current	<3.5mA/240VAC							
PROTECTION								
Over Load	105%~135%							
	Protection type: Fold back current limiting, recovers automatically after fault condition is removed.							
Over Voltage	115%~135%							
	Protection type: hiccup mode, recovers automatically after fault condition is removed.							
Over Temp.	RT3≥55°C Fan On, ≤45°C Fan Off, ≥80°C Output Shutdown (5~7.5V)							
	RT3≥65°C Fan On, ≤55°C Fan Off, ≥80°C Output Shutdown (12~15V)							
	RT3≥70°C Fan On, ≤60°C Fan Off, ≥85°C Output Shutdown (24~48V)							
ENVIRONMENT								
Working Temp., Humidity	-10°C~+50°C; 20%~90%RH							
Storage Temp., Humidity	-20°C~+85°C; 10%~95%RH							
Vibration	10~500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes							
SAFETY								
Withstand Voltage	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC							
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC							
STANDARD								
Safety Standard	Design refer to UL1950							
EMC Standard	Design refer to EN55022, EN55024, EN61000							
OTHERS								
Dimension	215*115*50mm(L*W*H)							
Weight	1.05Kg							
Packing	20pcs/21Kg							
NOTE								
<p>1.All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2.Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μ & 47μ parallel capacitor.</p> <p>3.Tolerance: includes set up tolerance, line regulation and load regulation</p>								