

S-100F Series - 100W Single Output Switching Power Supply

[Home](#) > [Products](#) > [Enclosed](#) > 100W Single Output Switching Power Supply

Features

- AC input range selectable by switch
- Protections: Short circuit/Over load/Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at 83KHz

Standards



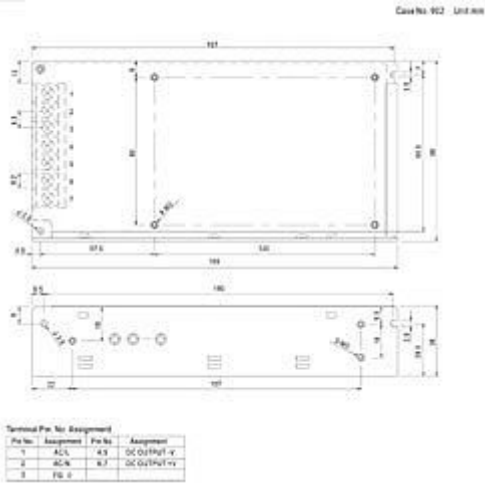
Specification

AC Input Voltage Range	88~132VAC/176V~264VAC selectable by switch
Input frequency	47 ~ 63Hz
AC Inrush Current	30A/115VAC 60A/230VAC max, cold start
AC Current	3.15A/115VAC 1.5A/230VAC
Leakage Current	<1mA/240VAC
Setup, Rise, Hold Up Time	1000mS, 30mS, 15mS at full load and 230VAC
Over Load Protection	105%~150% rated output power. Hiccup mode, auto-recovery
Over Voltage Protection	Should an over voltage occur the unit will go into hiccup mode and recover automatically once fault
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC
Withstand Voltage	I/P-O/P:3.0KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC
Vibration	10~500Hz, 2G 10min./1 cycle, 60 min. each along X, Y, Z axes
Temperature coefficient	?0.03%/?C (0~50?C)
EMC Standards	EN55022 Class B, EN61000-3-2,-3, EN61000-4-2,3,4,5,6,8,11, ENV50204, EN55024
MTBF	314.9K hours minimum
Storage Temperature, Humidity	-20?C~+85?C, 10~95% RH
Safety Standards	UL1012, TUV EN60950-1 approved. CSA60950-1 for 24V.
Working Temperature	-10~60?C (refer to output derating curve)
Connection	7P/0.5mm pitch terminal block

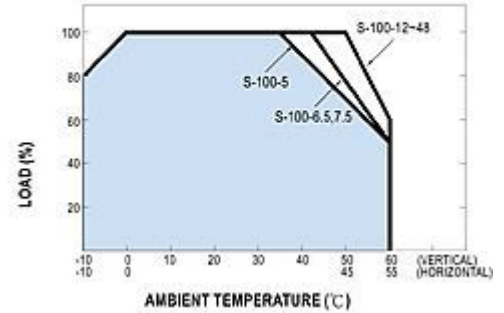
Items

S-100F Series Output Data

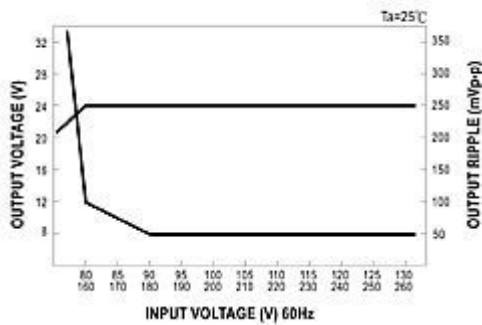
Part No	Output Voltage	Rated Current	Rated Power	R&N	Voltage Adj.	Tol.	Line Reg.	Load Reg.	Eff.	OVP
S-100F-5	5V	20A	100W	100mV	4.5V~5.5V	±2%	±0.5%	±1.0%	76%	5.75V~6.75V
S-100F-7.5	7.5V	13.5A	101W	125mV	6.75V~8.25V	±1%	±0.5%	±0.5%	78%	8.63V~10.13V
S-100F-12	12V	8.5A	102W	125mV	10.8V~13.2V	±1%	±0.5%	±0.5%	80%	13.8V~16.2V
S-100F-15	15V	6.7A	100.5W	125mV	13.5V~16.5V	±1%	±0.5%	±0.5%	81%	17.25V~20.25V
S-100F-24	24V	4.5A	108W	150mV	21.6V~26.4V	±1%	±0.5%	±0.5%	83%	27.6V~32.4V
S-100F-48	48V	2.2A	105.6W	150mV	43.2V~52.8V	±1%	±0.5%	±0.5%	84%	55.2V~64.8V



Derating Curve



Static Characteristics (24V)



Related Documents

[Mechanical Diagram \(172KB\)](#)