

MEAN WELL SWITCHING POWER SUPPLY ISO-9001 CERTIFIED MANUFACTURER



 .LOW COST, HIGH RELIABILITY
 .COMP

 .105°C OUTPUT CAPACITOR
 .100%

 .INTERNATIONAL AC INPUT RANGE
 .BUILT

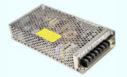
 .HIGH EFFICIENCY, LOW WORKING TEMPERATURE
 .SOFT-START CIRCUIT, LIMITING AC SURGE CURRENT

 .SHORT CIRCUIT, OVERLOAD PROTECTED
 MODEL

 SPECIFICATION
 S-100-3
 S-10

 DC OUTPUT VOLTAGE
 3V
 51

.COMPACT SIZE, LIGHT WEIGHT .100% FULL LOAD BURN-IN TEST .BUILT IN EMI FILTER, LOW RIPPLE NOISE



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MODEL SPECIFICATION	S-100-3	S-100-5	S-100-7.5	S-100-12	S-100-15	S-100-24	S-100-27	S-100-48
DC OUTPUT VOLTAGE	3V	5V	7.5V	12V	15V	24V	27V	48V
OUTPUT V. TOLERANCE	±2%	±2%	±1%	±1%	±1%	±1%	±1%	±1%
OUTPUT RATED CURRENT	20A	20A	13.6A	8.5A	6.7A	4.5A	3.7A	2A
OUTPUT CURRENT RANGE	0-20A	0-20A	0-13.6A	0-8.5A	0-6.7A	0-4.5A	0-3.7A	0-2A
RIPPLE & NOISE	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p
LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.3%	±0.3%	±0.2%	±0.2%	±0.2%
LOAD REGULATION	±0.5%	±0.5%	±0.5%	±0.3%	±0.3%	±0.2%	±0.2%	±0.2%
DC OUTPUT POWER	60W	100W	102W	102W	100.5W	108W	99.9W	96W
EFFICIENCY	70%	78%	80%	81%	81%	84%	84%	84%
DC VOLTAGE ADJ.	2.85-3.3V	4.75-5.5V	6.75-8.25V	10.8- 13.2V	13.5 <i>-</i> 16.5V	21.6- 26.4V	26-32V	43.2 <i>-</i> 52.8V
INPUT VOLTAGE RANGE	85~132VAC / 180~264VAC SELECTED BY SWITCH 47~63Hz; 255~370VDC							
AC CURRENT	2.4A/115V 1.2A/230V							
INRUSH CURRENT	COLD START 30A/115V 60A/230V							
LEAKAGE CURRENT	<1mA/240VAC							
OVERLOAD PROTECTION	105~150% 150~200% 105~150%							
	TYPE:OUTPUT SHUTDOWN RESET:RECYCLE AC ON / OFF							
OVER VOLTAGE PROTECTION								
OVER TEMP. PROTECTION	······							
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)							
SETUP, RISE, HOLD UP TIME	200ms, 50ms, 20ms							
VIBRATION	10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES							
	VP-O/P:1.5KVAC VP-FG:1.5KVAC O/P-FG:0.5KVAC							
ISOLATION RESISTANCE	VP-O/P, VP-FG, O/P-FG:500VDC / 100M Ohms							
WORKING TEMP., HUMIDITY	-10°C~+60°C(REFER TO OUTPUT DERATING CURVE), 20%~90% RH							
STORAGE TEMP., HUMIDITY	-20°C~+85°C, 10%~95% RH							
DIMENSION	199*98*38mm CASE:902							
WEIGHT	0.65Kgs							
SAFETY STANDARDS	MEET UL1012 REQUIREMENT (NOT APPLY FOR THE MARK)							
EMC STANDARDS	MEET FCC PART15 J CONDUCTION CLASS B							
 NOTE: 1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25° C 70% RH. AMBIENT. 2.TOLERANCE GINCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION. 3.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12° TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR. 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. JUN.09.98								

NEXT (MECHANICAL INFO)

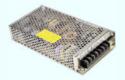


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S-100 SERIES

LOW COST, HIGH RELIABILITY .COMP .105°C OUTPUT CAPACITOR .100% .INTERNATIONAL AC INPUT RANGE .BUILT .HIGH EFFICIENCY, LOW WORKING TEMPERATURE .SOFT-START CIRCUIT, LIMITING AC SURGE CURRENT .SHORT CIRCUIT, OVERLOAD PROTECTED

.COMPACT SIZE, LIGHT WEIGHT .100% FULL LOAD BURN-IN TEST .BUILT IN EMI FILTER, LOW RIPPLE NOISE



MODEL	S-100-10	S-100-18				
DC OUTPUT VOLTAGE	10V	18V				
OUTPUT V. TOLERANCE	±1%	±1%				
OUTPUT RATED CURRENT	10A	5.6A				
OUTPUT CURRENT RANGE	0-10A	0-5.6A				
RIPPLE & NOISE	100mVp-p	100mVp-p				
LINE REGULATION	±0.3%	±0.3%				
LOAD REGULATION	±0.3%	±0.3% ±0.3%				
DC OUTPUT POWER	100W	100.8W				
EFFICIENCY	80%	82%				
DC VOLTAGE ADJ.	9-11V	16.2-19.8V				
INPUT VOLTAGE RANGE	85~132VAC / 180~264VAC SELE 255~370VDC	85~132VAC / 180~264VAC SELECTED BY SWITCH 47~63Hz; 255~370VDC				
AC CURRENT	2.4A/115V 1.2A/230V	2.4A/115V 1.2A/230V				
INRUSH CURRENT	COLD START 30A/115V 60A/23	COLD START 30A/115V 60A/230V				
LEAKAGE CURRENT	<1mA/240VAC	<1mA/240VAC				
OVERLOAD PROTECTION	105~150%					
	TYPE:OUTPUT SHUTDOWN RESE	TYPE:OUTPUT SHUTDOWN RESET:RECYCLE AC ON / OFF				
OVER VOLTAGE PROTECTION						
OVER TEMP. PROTECTION		<u> </u>				
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)					
SETUP, RISE, HOLD UP TIME	200ms, 50ms, 20ms	200ms, 50ms, 20ms				
VIBRATION	10~500Hz, 2G 10min./1cycle, PER	10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES				
WITHSTAND VOLTAGE	I/P-O/P:1.5KVAC I/P-FG:1.5KVAC (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:500VDC / 1	I/P-O/P, I/P-FG, O/P-FG:500VDC / 100M Ohms				
WORKING TEMP., HUMIDITY	-10°C~+60°C(REFER TO OUTPU RH	-10°C~+60°C(REFER TO OUTPUT DERATING CURVE), 20%~90% RH				
STORAGE TEMP., HUMIDITY	-20°C~+85°C, 10%~95% RH	-20°C~+85°C, 10%~95% RH				
DIMENSION	199*98*38mm CASE:902	199*98*38mm CASE:902				
WEIGHT	0.65Kgs	0.65Kgs				
SAFETY STANDARDS	MEET UL1012 REQUIREMENT (NO	MEET UL1012 REQUIREMENT (NOT APPLY FOR THE MARK)				
EMC STANDARDS	MEET FCC PART15 J CONDUCTIO	MEET FCC PART15 J CONDUCTION CLASS B				
NOTE: 1.ALL PARAMETERS ARE SPECIFIED AT 230VAC IN 2.TOLERANCE GINCLUDE SET UP TOLERANCE, L 3.RIPPLE & NOISE ARE MEASURED AT 20MHZ BY L 4.LINE REGULATION IS MEASURED FROM LOW LII 5.LOAD REGULATION IS MEASURED FROM 0% TO	INE REGULATION, LOAD REGULATION. JSING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & NE TO HIGH LINE AT RATED LOAD.	≰ 47uF CAPACITOR. JUN.10.9/				

S-100 SERIES

