



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

SCN-1K2 SERIES

- .BUILT IN EMI FILTER
- .OVER LOAD PROTECTED
- .OVER TEMP. PROTECTED
- .WITH PARALLEL FUNCTION
- .UL, CUL, CB APPROVAL
- .SHORT CIRCUIT PROTECTED
- .OVER VOLTAGE PROTECTED
- .BUILT IN REMOTE SENSE / CONTROL
- .2 YEAR WARRANTY



SPECIFICATION	TYPE NO.	SCN-1K2-05	SCN-1K2-12	SCN-1K2-15	SCN-1K2-24	SCN-1K2-48
	SAFETY MODEL	1K2S-N005	1K2S-N012	1K2S-N015	1K2S-N024	1K2S-N048
DC OUTPUT VOLTAGE		5V	12V	15V	24V	48V
OUTPUT V. TOLERANCE		±2%	±1%	±1%	±1%	±1%
OUTPUT RATED CURRENT		180A	100A	80A	50A	24A
OUTPUT CURRENT RANGE		0-180A	0-100A	0-80A	0-50A	0-24A
RIPPLE & NOISE		100mVp-p	120mVp-p	150mVp-p	240mVp-p	480mVp-p
LINE REGULATION		±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
LOAD REGULATION		±2%	±1%	±1%	±1%	±1%
DC OUTPUT POWER		1000W	1200W	1200W	1200W	1200W
EFFICIENCY		77%	83%	85%	85%	87%
INPUT VOLTAGE RANGE	180~260VAC, 1ϕ 3 WIRE, 47~63Hz					
AC CURRENT	11A/230VAC					
INRUSH CURRENT	COLD START < 120A/230VAC					
LEAKAGE CURRENT	<3.5mA/240VAC					
OVERLOAD PROTECTION	CURRENT LIMITING / DELAY SHUTDOWN					
OVER VOLTAGE PROTECTION	110%~135%					
OVER TEMP. PROTECTION	YES					
TEMP. COEFFICIENT	±0.04% / °C (0~50°C)					
SETUP, RISE, HOLD UP TIME	800ms, 50ms, 16ms					
VIBRATION	10~200Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES					
WITHSTAND VOLTAGE	I/P-O/P:1500VAC, I/P-FG:1500VAC FOR 1min.					
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG > 100M Ohms					
WORKING TEMP., HUMIDITY	-10°C~+50°C @ 100%LOAD, +65°C @ 50%LOAD, 20%-90% RH					
STORAGE TEMP., HUMIDITY	-20°C~+85°C, 10%-95% RH					
DIMENSION	291*132*132mm (L*W*H)					
WEIGHT; Q'TY/CARTON	4.5Kgs					
SAFETY STANDARDS	UL1950, CSA22.2, IEC60950					
EMC STANDARDS	FCC PART 15					
SPECIAL FUNCTION	DC VOLTAGE ADJ., REMOTE SENSING, REMOTE CONTROL, PARALLEL OPERATION (REFER TO TERMINAL INSTRUCTION MANUAL)					

NOTE : 1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2.TOLERANCE INCLUDE 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 20% TO 100% RATED LOAD.

2002-01-22

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