



# MEAN WELL

## SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

## SCN-1K5 SERIES

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



MODEL	SCN-1K5-12	SCN-1K5-15	SCN-1K5-24	SCN-1K5-48
SPECIFICATION				
DC OUTPUT VOLTAGE	12V	15V	24V	48V
OUTPUT V. TOLERANCE	±1%	±1%	±1%	±1%
OUTPUT RATED CURRENT	125A	100A	62.5A	32A
OUTPUT CURRENT RANGE	0-125A	0-100A	0-62.5A	0-32A
RIPPLE & NOISE	120mVp-p	150mVp-p	240mVp-p	480mVp-p
LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%
LOAD REGULATION	±1%	±1%	±1%	±1%
DC OUTPUT POWER	1500W	1500W	1500W	1536W
EFFICIENCY	83%	84%	85%	87%
INPUT VOLTAGE RANGE	200~260VAC, 1ϕ 3WIRE, 47~63Hz			
AC CURRENT	12A/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	DESIGN TO MEET UL1950, CSA22.2 EN60950			
EMC STANDARDS	DESIGN TO MEET 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.

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