1000 W

1000 W Parallel Switching power supply

MW SCN-1K2 series

Features :

. AC 200~260 V input
. Short circuit, over voltage, over load, over temp. protected
. High reliability, low ripple noise
. Built-in remote sense / on-off control
. Parallel function (n+1)
. Adjust from 10~100% output voltage by external control 1~5V
. Forced air cooling by built-in Dc fan
. Built-in EMI filter
. 100% full load burn-in test

2 years warranty

Model	SCN1K2-5	SCN1K2-12	SCN1K2-15	SCN1K2-24	SCN1K2-48
DC output voltage	5V	12V	15V	24V	48V
Output voltage 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	180~260 VAC, 3 wire, 47~63Hz				
AC current	11 A/230V				
Inrush current	Cold start <120 A/230VAC				
Leakage current	<3.5mA/240VAC				
Over-load protection	Current limiting / Delay shutdown				
Over-voltage protection	110%~135%				
Over-temperature protection	yes				
Temperature coefficient	±0.04% /°C (0°~50°C)				
Set-up, 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 1 min.				
Isolation resistance	I/P-O/P, I/P-FG, O/P-FG >100MΩ				
Working temp. & humidity	-10°C~+50°C at 100% load ; +65°C at 50% load ; 20~90% R.H.				
Storage temp. & humidity	-20°C~+85°C, 10%~95% R.H. (non-condensing)				
Dimensions	291 x 132 x 132 mm (Length x Width x Height)				
Weight	4.5 Kgs				
Safety standards	UL1950, CSA22.2, EN 60950				
EMC standards	FCC part 15				
Special functions	DC voltage adjustment, Remote sensing, Remote control, Parallel operation (refer to terminal instruction manual).				

Notes:
-All parameters are specified at 230VAC input, rated load, 25°C & 70% R.H. ambient.
- Tolerance include setup tolerance, line regulation, load regulation.
- Ripple & Noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1yF & 47uF capacitor.
- Line regulation is measured from low line to high line at rated load.
- Load regulation is measured from 20% to 100% rated load

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