



Features:

- Protection: short circuit, overcurrent and overload
- Reasonable circuit design and layout, high conversion efficiency and low temperature rise
- Small output ripple, high work efficiency, small size and light weight
- Impact testing for every product
- 100% full load aging test

SKU		SJ-CB48V100W	
Output	DC Voltage	48V	
	Rated Current	2.08A	
	Current Range	0~2.08A	
	Rated Power	100W	
	Ripple and Noise	240mV	
	Voltage adjustment range	47.2~48V	
	Voltage accuracy	±2%	
	Linear adjustment rate	±0.5%	
	Load Regulation	±1%	
	Start-up Time	≤1000ms/230VAC(Under Full loaded)	
	Hold Time (Typ.)	30ms/230VAC(Under Full loaded)	
Input	Voltage	180-240VAC	
	Frequency Range (Hz)	47~63Hz	
	Efficiency (Typ.)	83%	85%
	Alternating current (Typ.)	0.9A 220VAC	
	Inrush current (Typ.)	At cold start <50A/230VAC	
	Leakage current	<0.75mA/240VAC	
Protection features	Short circuit protection	Protection mode: hiccup mode, automatic recovery after abnormal removal	
	Overload protection	110%~150% of rated output power Protection mode: hiccup mode, automatic recovery after abnormal removal	
Surroundings	Operating temperature (°C)	-10°C - +45°C	
	Working humidity (°C)	20% - 90%RH, no condensation	
	Storage temperature and humidity	-20°C - +85°C , 10% - 95%RH, no condensation	
	Temperature Coefficient	±0.3‰ (0 - 50°C)	
	Vibration resistant	10-500Hz,2g 10minutes/cycle, 60 minutes each for X, Y, and Z axes	

Safety standard	Withstand voltage (VAC)	I/P-O/P:1.5KVAC,I/P-FG:0.5KVAC,OP-FG:0.5KVAC 60S																				
	Safety standard	EN/UL60950-1,GB4943																				
	Insulation resistance	I/P-O/P,I/P-FG,O/P-FG: 100M Ohm/500VDC/25°C																				
Notes	1.All unspecified parameters are measured at 230VAC voltage input, rated load and 25°C.																					
	2.Ripple and noise voltage: Measured at 20MHz bandwidth, using a 12-inch twisted pair, and 0.1μ and 47μ capacitors in parallel with the terminals.																					
	3.Accuracy: including setting error, linear adjustment rate and load adjustment rate.																					
	4.Line regulation measurement method: Under rated load, from low voltage to high voltage test.																					
	5.Load regulation measurement method: from 0% to 100% of rated load.																					
	6.Start-up time is measured under cold start conditions, rapid and frequent power on and off may increase the start-up time.																					
	7.When the operating altitude is higher than 2000 meters (6500 ft), the operating ambient temperature needs to be reduced by 5°C/1000 meters.																					
Packaging	Product Dimensions	168*48*27(mm)(L*W*H)																				
	Carton Quantity	75PCS																				
	Carton Size	47.2*27.5*18.7cm																				
		<p>The graph plots Load (%) on the y-axis (0 to 100) against Ambient Temperature (°C) on the x-axis (-30 to 50). A thick black line shows the load capacity. It remains at 100% from -30°C to 40°C. Between 40°C and 50°C, the load capacity decreases linearly to 60%. At 50°C, there is a vertical drop to 0% load capacity. The text 'Natural Convection Cooling' is written in blue in the upper left area of the graph.</p> <table border="1"> <caption>Graph Data Points</caption> <thead> <tr> <th>Ambient Temperature (°C)</th> <th>Load (%)</th> </tr> </thead> <tbody> <tr><td>-30</td><td>100</td></tr> <tr><td>-15</td><td>100</td></tr> <tr><td>-5</td><td>100</td></tr> <tr><td>0</td><td>100</td></tr> <tr><td>15</td><td>100</td></tr> <tr><td>30</td><td>100</td></tr> <tr><td>40</td><td>100</td></tr> <tr><td>50</td><td>60</td></tr> <tr><td>50</td><td>0</td></tr> </tbody> </table>	Ambient Temperature (°C)	Load (%)	-30	100	-15	100	-5	100	0	100	15	100	30	100	40	100	50	60	50	0
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