SE-4500 Single Output Power Series Parameters

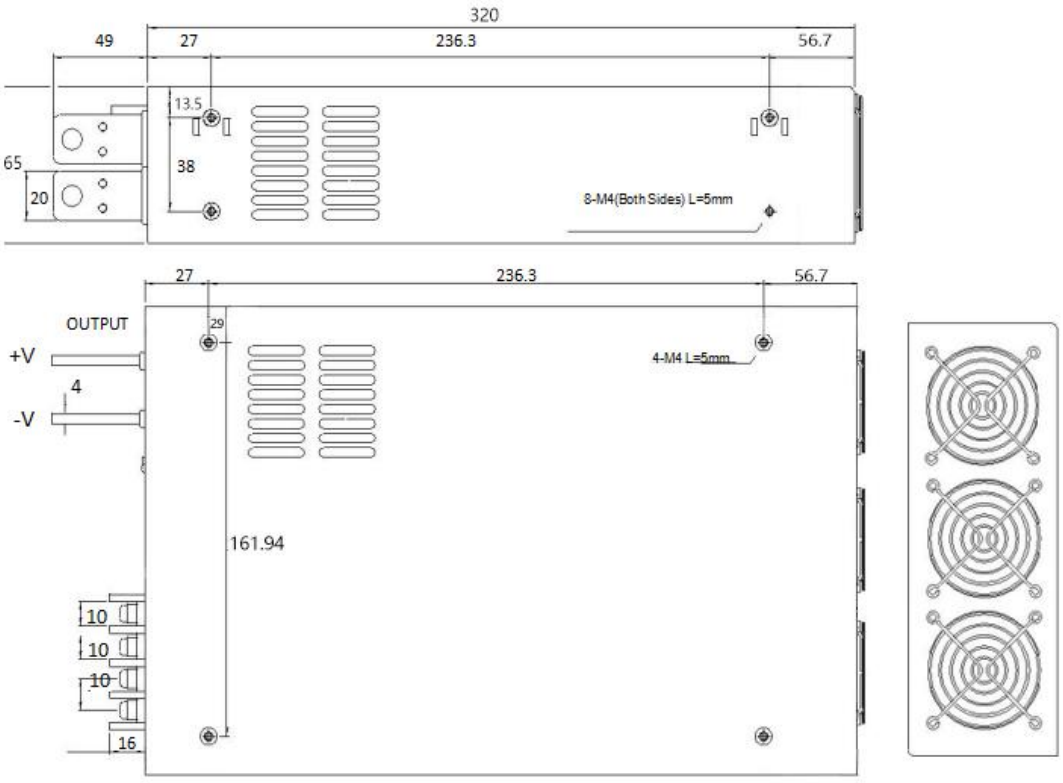
Electrical Specifications

Model		SE-4500-85	SE-4500-90	SE-4500-110	SE-4500-150	SE-4500-200
OUTPUT	DC voltage	85V	90V	110V	150V	200V
	Current Rating	53A	50A	41A	30A	22.5A
	Current Range	0 ~53A	0 ~50A	0 ~41A	0 ~30A	0 ~22.5A
	rated power	4500W	4500W	4500W	4500W	4500W
	Ripple and Noise	460mVp-p	460mVp-p	460mVp-p	460mVp-p	460mVp-p
	Voltage adjustment range	ADJ-10%-+3%	ADJ-10%-+3%	ADJ-10%-+3%	ADJ-10%-+3%	ADJ-10%-+3%
	Voltage Accuracy	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Load Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Start, the rise time	1000ms, 80ms（Full）				
	Hold Time (Typ.)	10ms（Full）				
INPUT	Voltage Range	Single- phase 110V, 220V AC; or three- phase 200V, 380V, 440V AC (terminals L1/L2/L3). Note: Each unit can only be manufactured/configured with one selected voltage specification.或 280 ~ 380VDC				
	Frequency Range	47 ~ 63Hz				
	Power Factor (Typ.)	0.75/230V（Full）				
	Efficiency (Typ.)	90%	91%	91%	91%	91%
	Alternating current (Typ.)	36A/230VAC 9A/380VAC				
	Inrush current (Typ.)	Soft Start 108A/230VAC				
	Leakage current	<3.5mA / 240VAC				
protection	Overload	Rated output 100 ~ 105%				
		Users can continuously adjustable constant current output signal via analog voltage or over-current protection current constant voltage linearly decreased to zero				
	Overvoltage	Close Protection Type Output Output voltage after the restart recovery				
	Over temperature	80℃±5℃ Detection on power transistor radiators		105 ℃ ± 5 ℃ Detection on power transistor radiators		
		Output voltage temperature shutdown protection type automatic recovery after fall				
Features	Remote Switch					
	Auxiliary power	13.8V 0.5A The controller can be used for power supply				
	Output voltage control	Output voltage: can be continuously adjusted from 0% to 100% of the rated maximum output current via a 0-5V analog signal, MCU, PLC, PWM, or adjustable resistor.				
	Output current control	Output current: can be continuously adjusted from 0% to 105% of the rated maximum output current via a 1-5V analog signal, MCU, PLC, PWM, or adjustable resistor.				
	Parallel Current					
surro	Operating temperature	-20 ~ 70℃				
	Working humidity	20 ~ 90%RH Non-condensing				

undi ngs	Temperature Coefficient	±0.05%/℃ （0~50℃ ）
	Vibration resistance	10 ~ 500Hz，2G 10 Ten minutes / cycle, X, Y, Z axes of 60 minutes
Safety and EMC	Safety specifications	UL60950-1
	Pressure	I/P-O/P:3KVACI/P-FG:1.5KVAC O/P-FG:0.5KVAC
	Insulation resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25℃/ 70% RH
	size	320*220*65MM(L*W*H)
备注	1. 如未特别说明，所有规格参数均在输入为230VAC，额定负载、25℃环境温度下进行量测。 2. 纹波和噪声测量方法：使用一条12"双绞线，同时终端要并联0.1uf和47uf的电容，在20MHZ带宽下进行量测。 3. 精度：包含设定误差、线性调整率和负载调整率。	

Organization size

机壳型号 1520B 单位 mm



端子引脚分布

引脚编号	引脚功能
1	AC/L1
2	AC/L2
3	AC/L3
4	FG/⏚

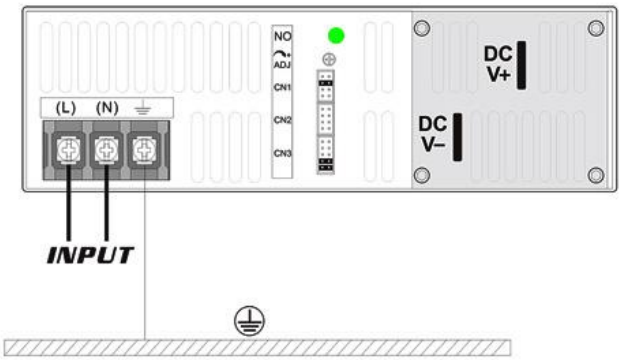
380/450VAC

端子引脚分布

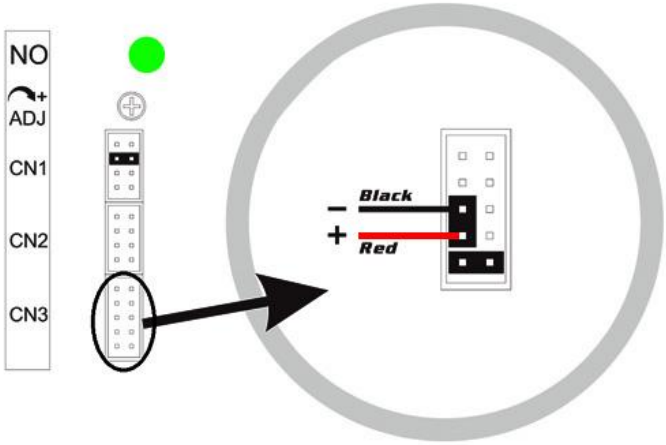
引脚编号	引脚功能
1	AC/L
2	AC/N
3	(NC)
4	FG/⏚

110/220VAC

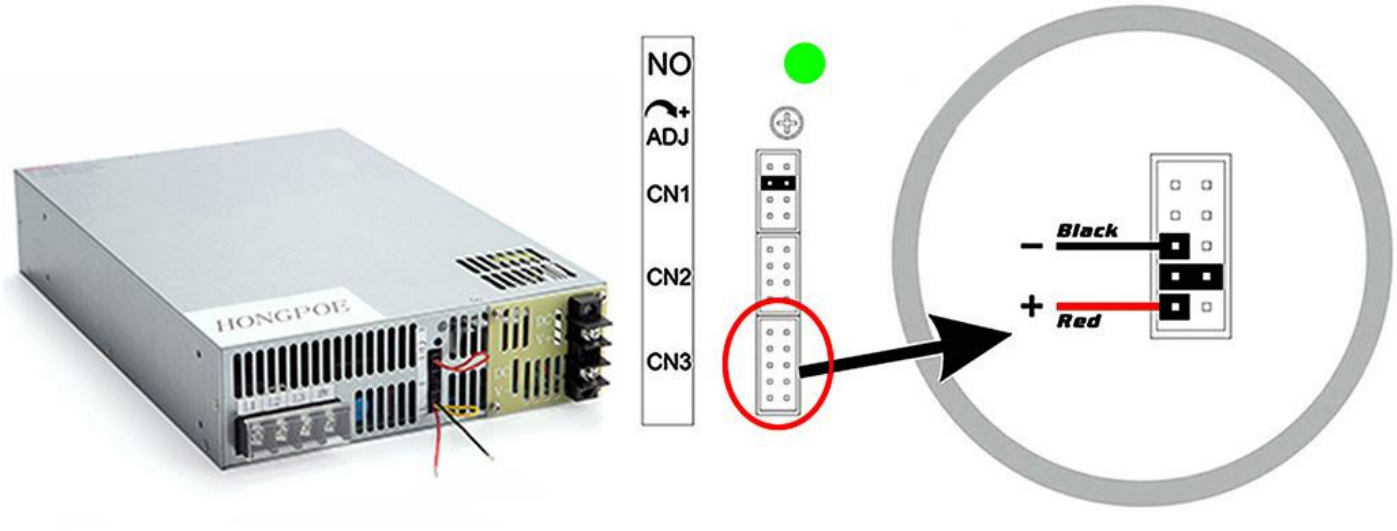
Factory default fixed voltage output



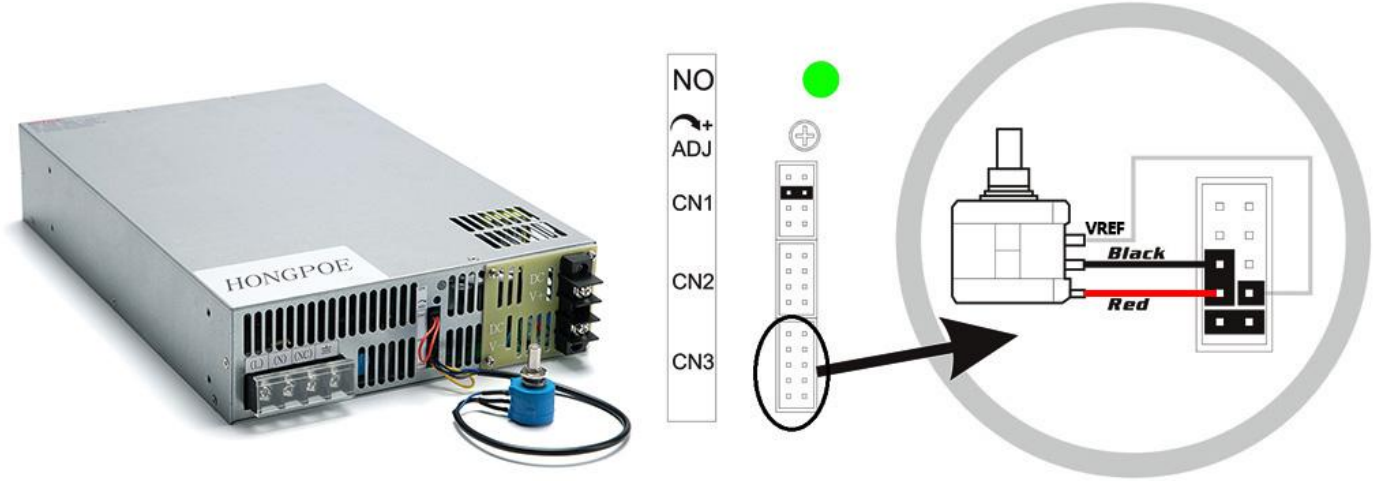
0-5V, 0-10V, PLC, PWM signal control output voltage (0-100%)



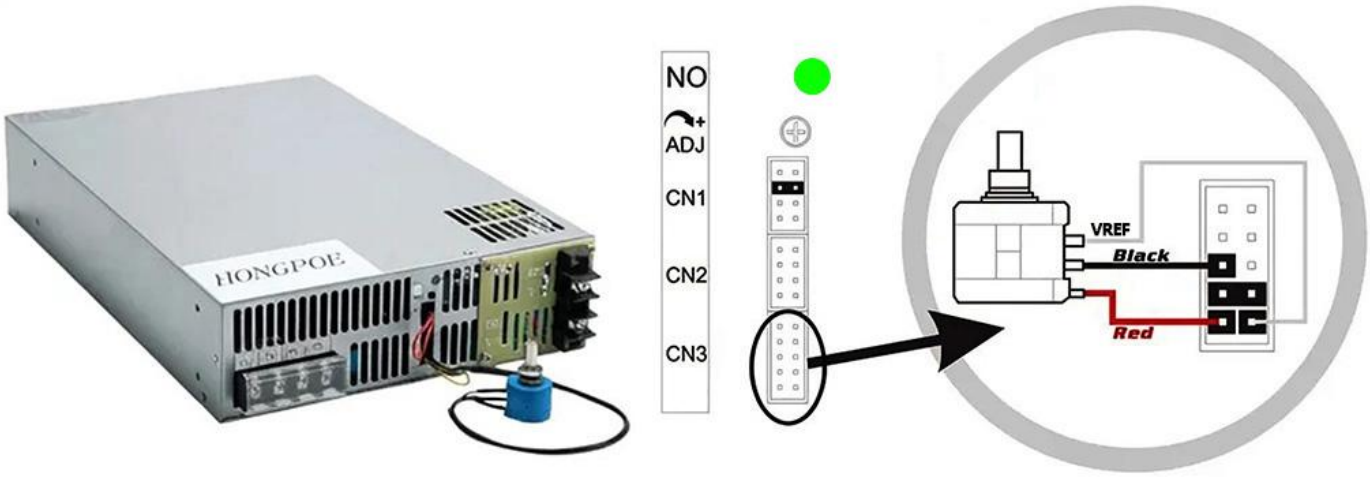
0-5V,0-10V,PLC,PMW signal Controls Output current (0-105%)



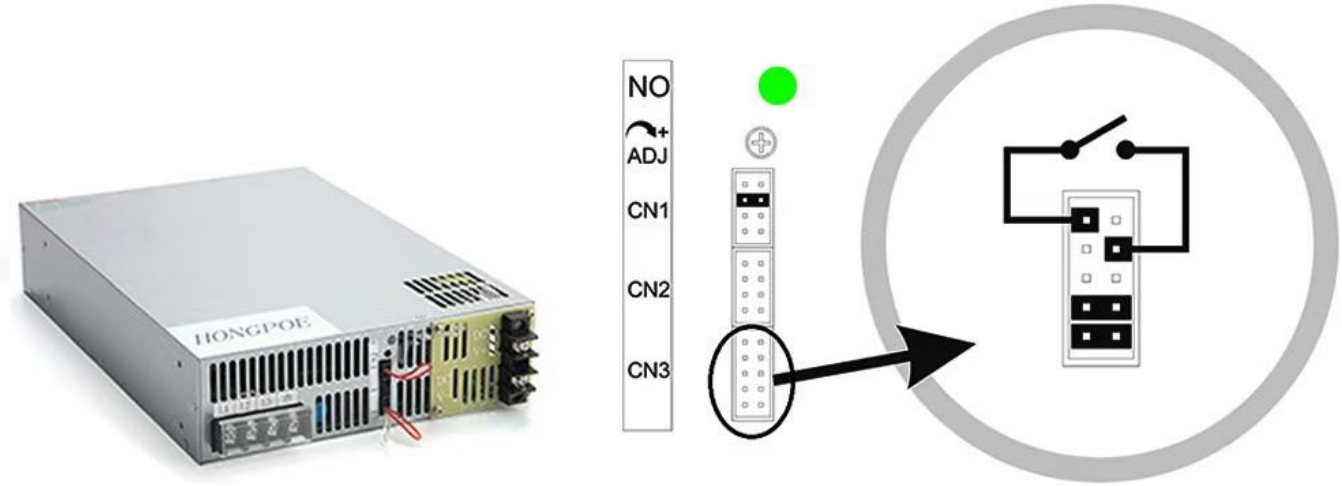
Variable resistor controls output voltage (0-100%)



Variable resistor controls output current (0-105%)

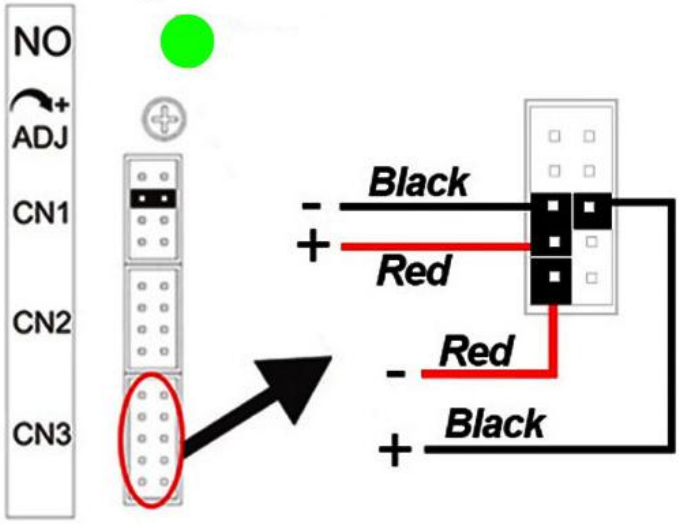


Remote power ON/OFF function



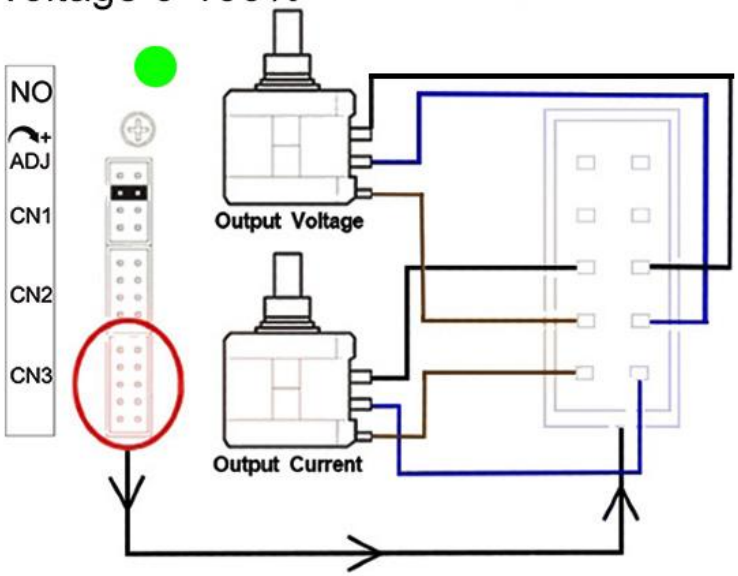
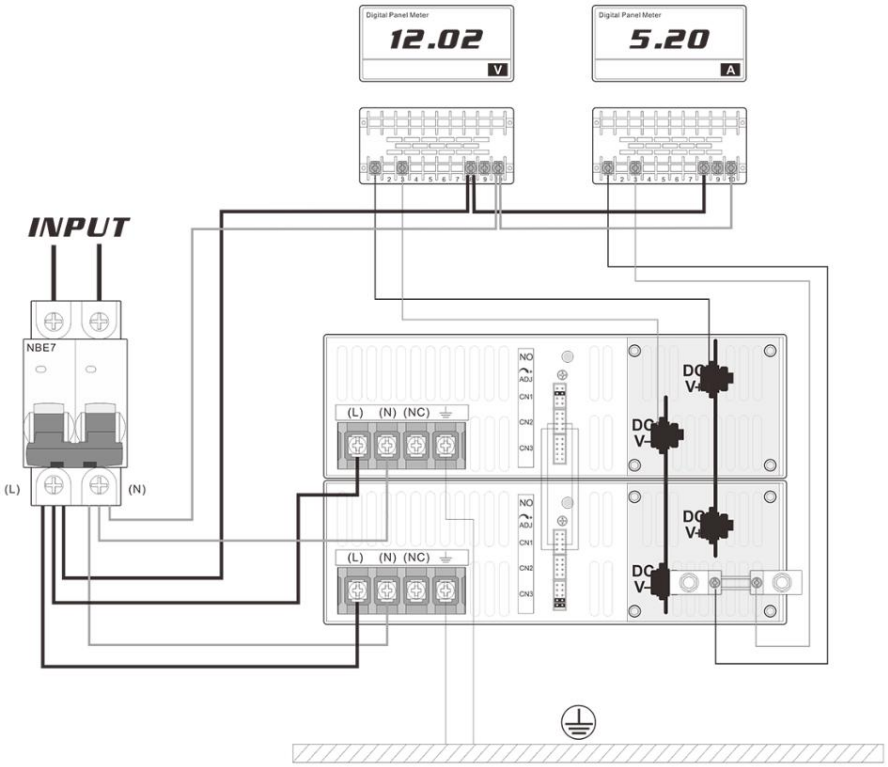
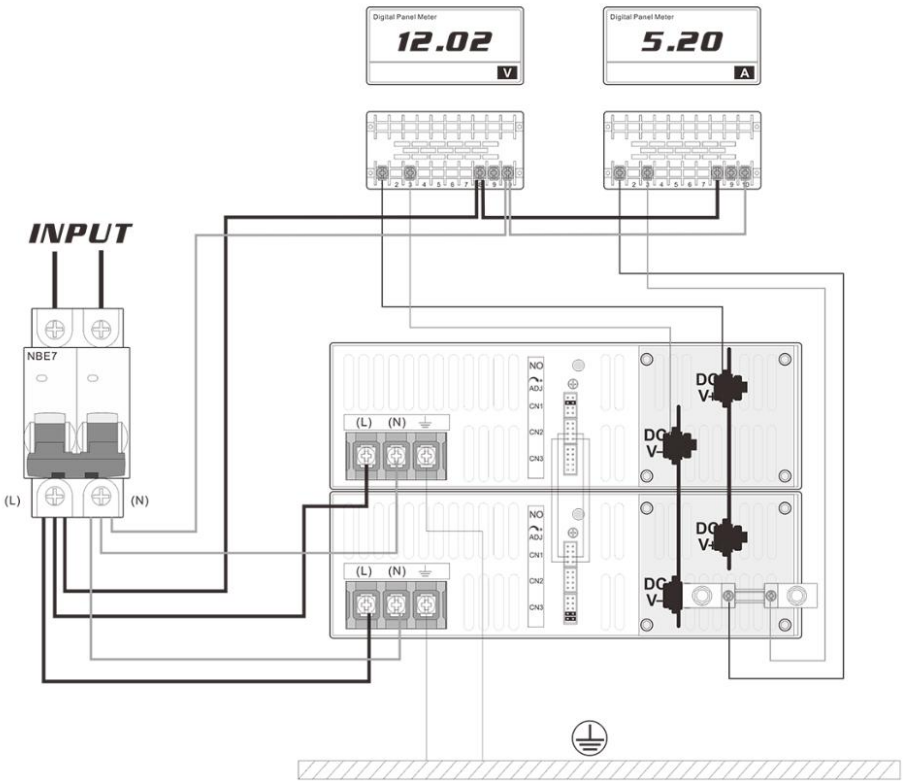
0-5V, 0-10V, PLC, PMW signal controls output voltage

0-100% and output current 0-105%



Variable resistor controls output voltage 0-100%

and output current 0-105%



This series supports parallel wiring method for multiple power supplies with a maximum parallel total power of 50,000W.