

SE-7000 Single Output Power Series Parameters

Electrical Specifications

Model		SE-7000-36	SE-7000-48	SE-7000-60	SE-7000-68	SE-7000-72
OUTPUT	DC voltage	36V	48V	60V	68V	72V
	Current Rating	194A	145A	116A	103A	97A
	Current Range	0 ~194A	0 ~145A	0 ~116A	0 ~103A	0 ~97A
	rated power	7000W	7000W	7000W	7000W	7000W
	Ripple and Noise	420mVp-p	420mVp-p	420mVp-p	420mVp-p	420mVp-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; 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.)		88%	88%	88%	88%	88%
Alternating current (Typ.)		56A/220VAC				
Inrush current (Typ.)		Soft Start 165A/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					
surrounding	Operating temperature	-20 ~ 70℃				
	Working humidity	20 ~ 90%RH Non-condensing				

undings	Temperature Coefficient	$\pm 0.05\%/^{\circ}\text{C}$ (0~50 $^{\circ}\text{C}$)
	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:3KVAC I/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 $^{\circ}\text{C}$ / 70% RH
	size	280*180*130(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 $^{\circ}\text{C}$ 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0.1 μf 和47 μf 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