

SE-1500 Single Output Power Series Parameters

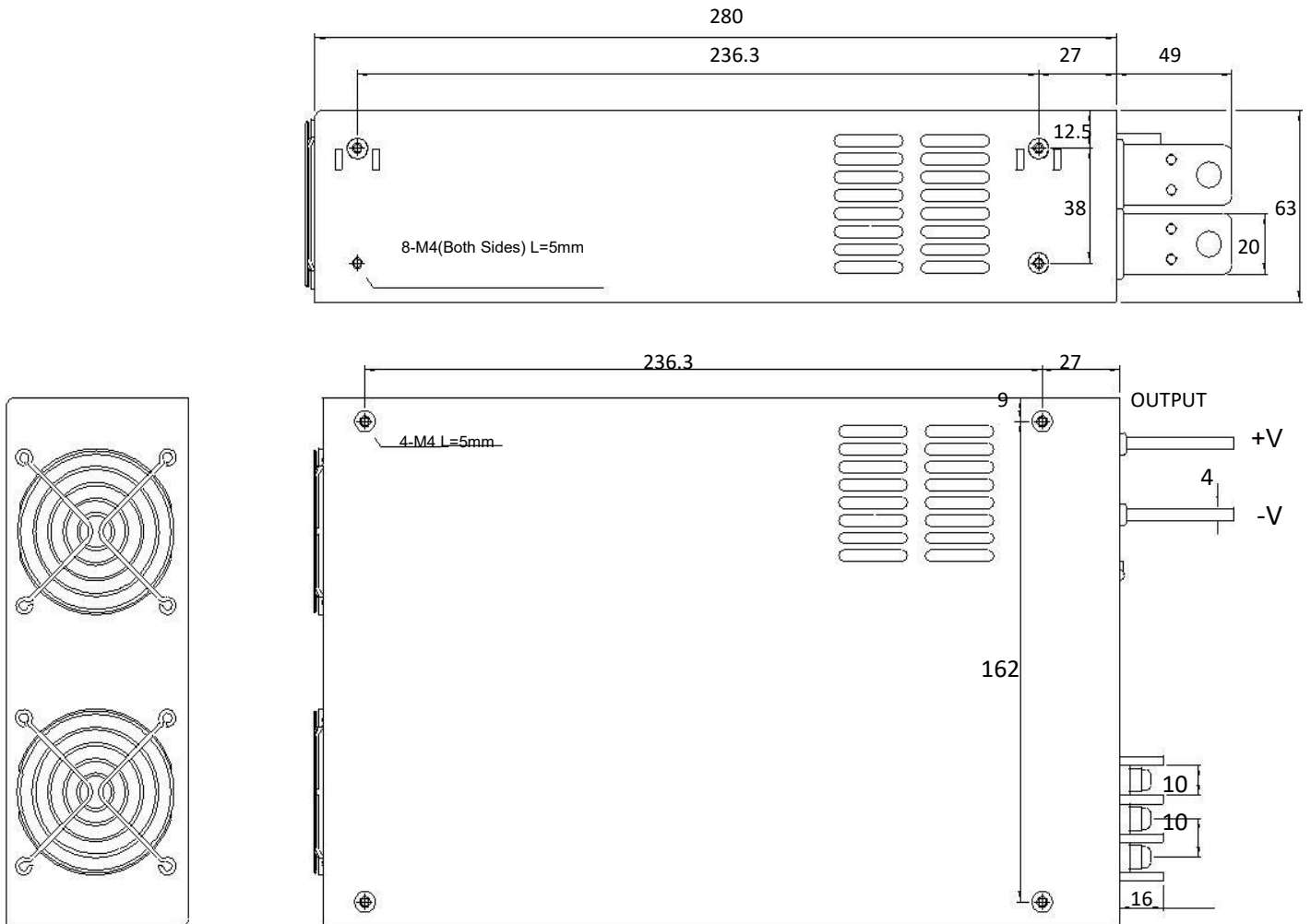
Electrical Specifications

Model		SE-1500-30	SE-1500-36	SE-1500-48	SE-1500-60	SE-1500-68
OUTPUT	DC voltage	30V	36V	48V	60V	68V
	Current Rating	50A	41A	31A	25A	22A
	Current Range	0 ~50A	0 ~41A	0 ~31A	0 ~25A	0 ~22A
	rated power	1500W	1500W	1500W	1500W	1500W
	Ripple and Noise	380mVp-p	410mVp-p	440mVp-p	470mVp-p	500mVp-p
	Voltage adjustment range	ADJ-20%~+10%	ADJ-20%~+10%	ADJ-20%~+10%	ADJ-20%~+10%	ADJ-20%~+10%
	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	180 ~ 264VAC 或 254 ~ 370VDC				
	Frequency Range	47 ~ 63Hz				
	Power Factor (Typ.)	0.75/230V (Full)				
	Efficiency (Typ.)	86%	86%	86%	86%	86%
	Alternating current (Typ.)	12A/180VAC 9A/230VAC				
	Inrush current (Typ.)	Soft Start 19A/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	Use 0 ~ 5V analog signal or MCU SPWM control output 0.5V to 100% of rated voltage, continuously adjustable linear rise				
	Output current control	Use 1 ~ 5V analog signal or MCU PWM control output current 10% to the maximum rated output current continuously adjustable				
	Parallel Current					
surroundings	Operating temperature	-20 ~ 70℃				
	Working humidity	20 ~ 90%RH Non-condensing				
	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: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℃/ 70% RH				

size	280*180*63(L*W*H)
备注	<p>1. 如未特别说明, 所有规格参数均在输入为230VAC, 额定负载, 25℃环境温度下进行测量。</p> <p>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0.1μf和47μf的电容, 在20MHz带宽下进行测量。</p> <p>3. 精度: 包含设定误差, 线性调整率和负载调整率。</p>

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/L
2	AC/N
3	FG