

Technical parameter

Type	Technical indicators				
Output	DC voltage	12V	24V	36V	48V
	Rated current	50A	25A	16.6A	12.5A
	Rated power	600W	600W	600W	600W
	Ripple and noise ①	<150mV	<150mV	<240mV	<240mV
	Voltage regulation range	±10%			
	Voltage accuracy	±1.0%			
	Linear adjustment rate	<±1%			
	Load adjustment rate	<±1.2%	<±1%	<±0.5%	<±0.5%
Input	Voltage range/frequency	180-264VAC 47Hz~63Hz; 254VDC~370VDC			
	Efficiency (typical) ②	>82%	>84%	>86%	>86%
	Operating current	<5A 230VAC			
	Impulse current	220VAC 50A			
	Start up time	200ms、50ms、20ms: 220VAC			
Protection characteristics	Leakage current	<1mA 240VAC			
	Overload protection	≥ 105% - 150% Type: constant current output+VO drops to undervoltage point Cut off output reset: power on again			
	Short circuit protection/ overvoltage protection	Shutdown output power<300W/≥ 115% - 145%			
Environment	Over temperature protection	RTH3: ≥ 45 °C fan slow rotation, ≥ 60 °C fan fast rotation, ≥ 85 °C shutdown output			
	Operating temperature、humidity	-10°C~+50°C; 20%~90RH			
	Storage temperature、humidity	-20°C~+85°C; 10%~95RH			
Security	Withstand voltage	Input - output : 1.5KVAC input - case : 1.5KVAC output - case: 0.5KVAC duration :1 minute			
	Leakage current	Input - output 1.5KVAC < 5mA			
	Isolation resistor	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ			
Other	Size	241*125*65mm(L*W*H)			
	Net weight/gross weight	1268g/1358g			
Remarks	①Ripple and noise measurement method: use a 12 twisted pair, and connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure at 20MHz bandwidth.				
	② The efficiency is tested at the input voltage of 230VAC, rated load and ambient temperature of 25 °C. Precision: including setting error, linear adjustment rate and load adjustment rate.				
	Test method of linear regulation: test from low voltage to high voltage under rated load.				
	Load adjustment rate test method: from 0% to 100% of rated load.				
	The starting time is measured under the cold start state. Fast and frequent startup and shutdown may increase the starting time. When the operating altitude is higher than 2000 meters, the operating ambient temperature needs to be reduced by 5 °C/1000 meters.				