




# Product Overview

Type	Small size Switching Power Supply			
Model	<b>SP-0305</b>	<b>SP-0312</b>	<b>SP-0324</b>	
Appearances	 <p>[W37.5×H85×L65mm]</p>			
Capacity	3W			
Input	Power supply	100-240VAC(85-264VAC)		
	Allowable output frequency range	47 ~ 450Hz		
	Current consumption	Max. 0.15A		
	Efficiency	50 ~ 55%	67 ~ 74%	67 ~ 74%
Output	Voltage	5VDC	12VDC	24VDC
	Voltage variable range	Max. ±5%		
	Current	0.6A	0.25A	0.13A
	Ripple	Max. 2%		
	Voltage regulation	Max. 0.5% (85-264VAC 100%)		
	Over current protection	Max. 110%		
Reference	I-2~5 Page			

Type	Switching Mode Power Supply(SMPS)												
Model	<b>SPA-030-05</b>	<b>SPA-050-05</b>	<b>SPA-030-12</b>	<b>SPA-050-12</b>	<b>SPA-030-24</b>	<b>SPA-050-24</b>	<b>SPA-075-05</b>	<b>SPA-100-05</b>	<b>SPA-075-12</b>	<b>SPA-100-12</b>	<b>SPA-075-24</b>	<b>SPA-100-24</b>	
Appearances	 <p>[W97×H40×L120mm]</p>						 <p>[W97×H40×L160mm]</p>						
Capacity	30W	50W	30W	50W	30W	50W	75W	100W	75W	100W	75W	100W	
Input	Power supply	100-240VAC(85-264VAC)						100-120/200-240VAC(85-132/170-264VAC)					
	Frequency	50~60Hz											
	Current consumption	Max. 1.2A	Max. 1.6A	Max. 1.0A	Max. 1.4A	Max. 0.8A	Max. 1.1A	Max. 2.7A	Max. 3.0A	Max. 2.0A	Max. 2.5A	Max. 2.0A	Max. 2.5A
	Efficiency	Min. 60%	Min. 67%	Min. 74%		Min. 80%		Min. 72%	Min. 70%	Min. 78%	Min. 70%	Min. 78%	Min. 80%
Output	Voltage	5VDC		12VDC		24VDC		5VDC		12VDC		24VDC	
	Voltage adjustment range	Max. ±5%											
	Current	6A	10A	2.5A	4.2A	1.5A	2.1A	15A	20A	6.3A	8.5A	3.2A	4.2A
	Ripple	Max. ±1%											
	Input fluctuation	Max. ±0.5%											
	Load fluctuation	Max. ±2%		Max. ±1%				Max. ±2%		Max. ±1%			
	Starting time	Max. 200ms		Max. 150ms				Max. 5000ms		Max. 250ms	Max. 5000ms	Max. 250ms	
	Holding time	Min. 10ms											
Protect function	Inrush current protection	Max. 30A (100VAC) /Max. 40A (240VAC)		Max. 20A (100VAC)				Max. 45A (100VAC) /Max. 50A (240VAC)		Max. 35A (100VAC) /Max. 40A (240VAC)	Max. 45A (100VAC) /Max. 50A (240VAC)	Max. 35A (100VAC) /Max. 40A (240VAC)	
	Over current protection	Min. 110%											
	Over voltage protection	—————						6.5V ±10%		16V ±10%		30V ±10%	
	Short protection	Max. 5ms						Max. 10ms		Max. 5ms	Min. 10ms	Max. 5ms	
Reference	I-6~9 Page												