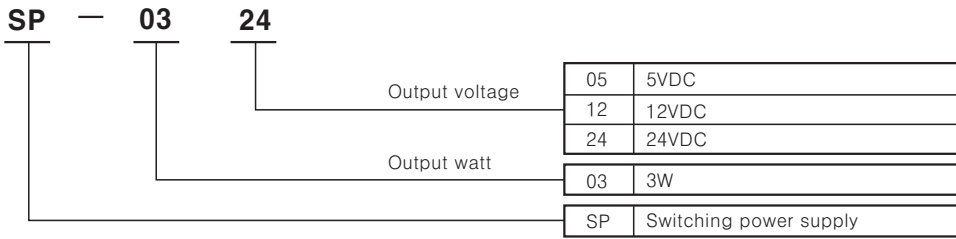


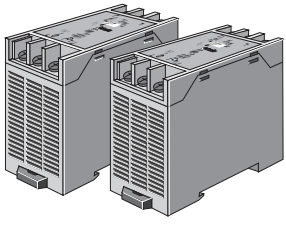
Selection Guide

SWITCHING POWER SUPPLY(SP SERIES)

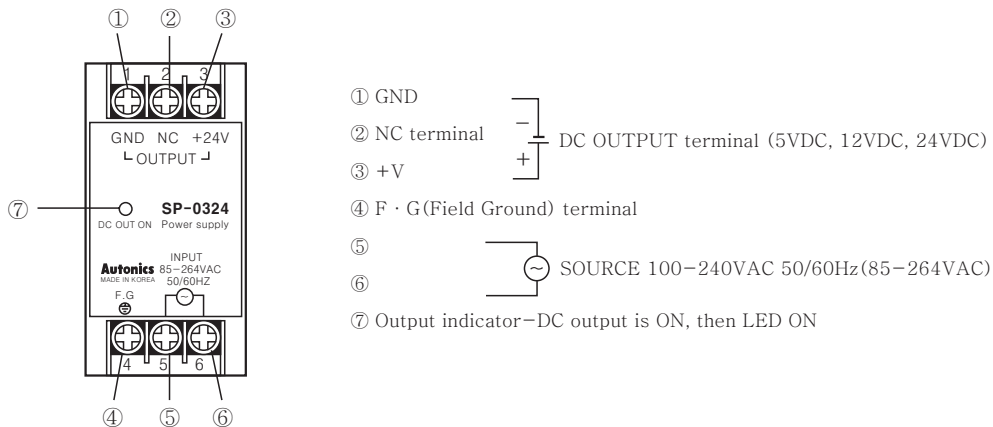
Ordering information



Specifications

Type	SWITCHING POWER SUPPLY		
Model	SP-0305	SP-0312	SP-0324
Appearances & Dimensions	 [W37.5×H85×L65mm]		
Output voltage	5VDC	12VDC	24VDC
Allowable output voltage range	95 ~ 105%		
Output current	0.6A	0.25A	0.13A
Output watt	3W		
Efficiency	50 ~ 55%	67 ~ 74%	
Power supply	100-240VAC 50/60Hz		
Allowable output fluctuation range	90 ~ 110% of power supply		
Current consumption	Max. 0.15A		
Allowable output frequency range	47 ~ 450Hz		
Output ripple voltage	Max. 2%		
Output voltage fluctuation ratio	Max. 0.5% (at 85-264VAC 100% load)		
Output overcurrent protection	Operated at over 110% of output current		
Output indicator	Red LED		

Front part identification

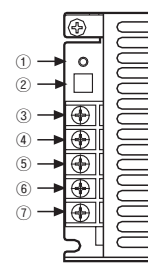


SWITCHING MODE POWER SUPPLY(SPA SERIES)

Ordering information



SPA	- 030	- 05									
		Output voltage	<table border="1"> <tr><td>05</td><td>5VDC</td></tr> <tr><td>12</td><td>12VDC</td></tr> <tr><td>24</td><td>24VDC</td></tr> </table>	05	5VDC	12	12VDC	24	24VDC		
05	5VDC										
12	12VDC										
24	24VDC										
		Output power	<table border="1"> <tr><td>030</td><td>30W</td></tr> <tr><td>050</td><td>50W</td></tr> <tr><td>075</td><td>75W</td></tr> <tr><td>100</td><td>100W</td></tr> </table>	030	30W	050	50W	075	75W	100	100W
030	30W										
050	50W										
075	75W										
100	100W										
			SPA Series								

Input · Output terminals and functions



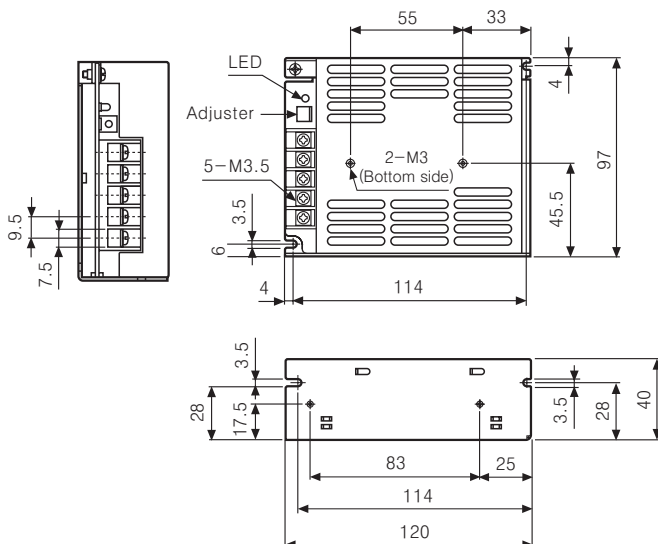
- ① Output indication LED
- ② Output voltage adjuster
- ③ Output voltage [+]
- ④ Output voltage [-]
- ⑤ F.G terminal
- ⑥ Input voltage [N]
- ⑦ Input voltage [L]

Specifications

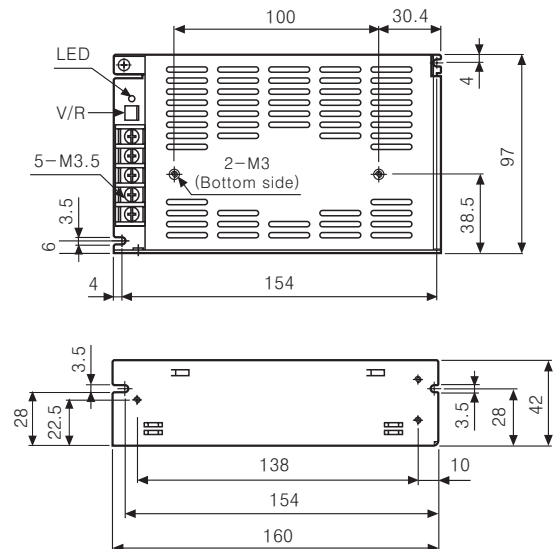
Type		SWITCHING MODE POWER SUPPLY									
Model		SPA-030-05	SPA-050-05	SPA-030-12	SPA-050-12	SPA-030-24	SPA-050-24	SPA-075-12	SPA-075-24	SPA-100-24	
Appearances & Dimensions		 [W97×H40×L120mm]					 [W97×H40×L160mm]				
Input	Voltage	100-240VAC(85-264VAC) 50/60Hz									
	Efficiency	60% Min.		74% Min.		80% Min.		75% Min.		75% Min.	
	Current consumption	1.2A Max.	1.6A Max.	1.0A Max.	1.4A Max.	0.8A Max.	1.1A Max.	2.0A Max.	2.0A Max.	2.5A Max.	
Output characteristic	Voltage	5VDC		12VDC		24VDC		12VDC		24VDC	
	Current	6A	10A	2.5A	4.2A	1.5A	2.1A	6.3A	3.2A	4.2A	
	Capacity	30W	50W	30W	50W	30W	50W	75W	75W	100W	
	Voltage variable range	±5% Max.									
	Input fluctuation	±0.5% Max.									
	Load fluctuation	±1% Max.									
	Ripple	±1% Max.									
	Starting time	200ms Max.		150ms Max.		150ms Max.		250ms Max.		250ms Max.	
Holding time	10ms Min.										
Protection function	Rush current limit	20A Max.(100VAC)					20A Max.(100VAC) / 40A Max.(200VAC)				
	Overcurrent limit	110% Min.									
	Overvoltage limit						16V ±10%		30V ±10%		
	Short circuit protection	5ms Max.									

Dimensions

SPA-030/050 series



SPA-075/100 series



Unit:mm