

# Switch Mode DC Power Supply

## Rated Power 30W~300W

### Features

- ✓ Adopts PWM pre-regulation and linear adjustment
- ✓ Constant voltage and constant current operations
- ✓ Auto CV/CC switch
- ✓ Coarse and Fine control for voltage and current
- ✓ Over current protection, Over voltage protection and Over temperature protection
- ✓ Intelligent cooling fan

### Product photo



▲ SP-3005



▲ PS-305D



▲ SP-3010



PS-3010D

# Switch Mode DC Power Supply

## Specifications

Model	3 digits LED display models	4 digits LED display models
<b>Constant voltage operation</b>		
Line regulation	≤0.05%+1mV	
Load regulation	≤0.1%+5mV	
Ripple & Noise	≤10mVrms	
<b>Constant current operation</b>		
Line regulation	≤0.05%+10mA	
Load regulation	≤0.1%+10mA	
Ripple & Noise	≤20mArms	
<b>Display</b>		
Voltmeter	3 digits LED display	4 digits LED display
Ammeter	3 digits LED display	4 digits LED display
Resolution	100mV/10mA	10mV/1mA
Accuracy	±(1% of reading+1 digit)	
<b>General</b>		
Protection	Over current protection, fixed 105% of rated current. Over voltage protection, fixed 105% of rated voltage. Over temperature protection: when internal temperature reaches 65°C±5°C, OTP is activated and the output will be shut down.	
Operating environment	0°C~40°C, ≤80%RH	
Storage environment	-10°C~70°C, ≤70%RH	
Power source	AC115V/230V±10% selectable, 50/60Hz	
Accessories	Power cord x1, Operation manual x1	
Dimension	S1 chassis: 125Wx160Hx170D mm S2 chassis: 125Wx160Hx260D mm	S2 chassis: 125Wx160Hx260D mm
Weight	Approx.2kg	

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## Selection guide

Model	Rated Output	Voltage Display	Current Display	Weight / kg
<b>3 Digit LED Display</b>				
S1 Chassis: 125W*160H*170D				
SP-1502	0-15V 0-2A	0-9.99-16.0V	000.-999.mA-2.10A	1.5
SP-1503	0-15V 0-3A	0-9.99-16.0V	000.-999.mA-3.10A	1.5
SP-1505	0-15V 0-5A	0-9.99-16.0V	000.-999.mA -5.10A	1.5
S2 Chassis: 125W*160H*260D				
SP-3005	0-30V 0-5A	0.00-9.99-10.0-32.0V	000.-999.mA 1.00-5.10A	2
SP-3010	0-30V 0-10A	0.00-9.99-10.0-32.0V	0.00-9.99-10.0-10.2A	2
SP-6005	0-60V 0-5A	0-9.99-62.0V	000.-999.mA 1.00-5.10A	2
<b>4 Digit LED Display</b>				
S2 Chassis: 125W*160H*260D				
PS-155D	0-15V 0-5A	00.00V-16.00V	0.000A-5.100A	2
PS-1510D	0-15V 0-10A	00.00V-32.00V	0.000A-9.900A	2
PS-1520D	0-15V 0-20A	0.00V-32.00V	0.000A-20.00A	2
PS-303D	0-30V 0-3A	0.00V-32.00V	0.000A-3.100A	2
PS-305D	0-30V 0-5A	0.00V-32.00V	0.000A-5.100A	2
PS-306D	0-30V 0-6A	0.00V-32.00V	0.000A-6.100A	2
PS-3010D	0-30V 0-10A	0.00V-32.00V	0.000A-9.900A	2
PS-3605D	0-36V 0-5A	00.00V-36.00V	0.000A-5.100A	2
PS-3610D	0-36V 0-10A	00.00V-36.00V	0.000A-9.900A	2
PS-602D	0-60V 0-2A	00.00V-62.00V	0.000A-2.100A	2
PS-603D	0-60V 0-3A	00.00V-62.00V	0.000A-3.100A	2
PS-605D	0-60V 0-5A	00.00V-62.00V	0.000A-5.100A	2
PS-606D	0-60V 0-6A	00.00V-62.00V	0.000A-6.100A	2
PS-1001D	0-100V 0-1A	00.00-99.00V	0.000A-1.100A	2
PS-1002D	0-100V 0-2A	00.00-99.00V	0.000A-2.100A	2
PS-1003D	0-100V 0-3A	00.00-99.00V	0.000A-3.100A	2
PS-1201D	0-120V 0-1A	000.0-122.0V	0.000A-1.100A	2
PS-1202D	0-120V 0-2A	000.0-122.0V	0.000A-2.100A	2
PS-1203D	0-120V 0-3A	000.0-122.0V	0.000A-3.100A	2
PS-1501D	0-150V 0-1A	000.0-152.0V	0.000A-1.100A	2
PS-1502D	0-150V 0-2A	000.0-152.0V	0.000A-2.100A	2

Specifications are subject to change without prior notice.