

DS Series 75W~300W



Introduction

The DS series is digital control switch mode MINI DC power supply with single output. The power supply adopts switching power supply post-stage voltage regulation technology. Rated power is available from 75W to 300W, and rated voltage is from 15V to 60V. The DS series are meant for a low-cost DC power supply which can be widely used in education and electronic industry.

Features

- ✓ Adopts post-stage voltage regulation technology
- ✓ Constant voltage and constant current operations
- ✓ Auto CV/CC switch
- ✓ Encode knobs for precise voltage and current adjustment
- ✓ Preset voltage and current when output is OFF
- ✓ Multiple protections: OVP, OCP, OPP, OTP and short circuit protection
- ✓ Adjustable OVP, OCP and OPP range
- ✓ Panel lock function
- ✓ Beeper alarm function
- ✓ Output ON/OFF control
- ✓ Intelligent cooling fan

Specifications

Model		DS-155S	DS-305S	DS-3010S	DS-605S
Rated output		15V 5A	30V 5A	30V 10A	60V 5A
Rated power		75W	150W	300W	300W
Max display		16V 5.1A	32V 5.1A	32V 10.2A	62V 5.1A
OVP range		0.1V~19.2V	0.1V~38.4V	0.1V~38.4V	0.1V~74.4V
OCP range		0.01A~5.61A	0.01A~5.61A	0.01A~11.2A	0.01A~5.61A
OPP range		0.1W~89.7W	0.1W~163W	0.1W~359W	0.1W~347W
Line regulation		CV≤0.2% of rated voltage, CC≤0.2% of rated current			
Load regulation		CV≤0.2% of rated voltage, CC≤0.2% of rated current			
Ripple & Noise		CV≤0.5%FS (rms), CC≤0.5%FS (rms)			
Efficiency		>85%			
Display meter		3 digits LED display			
Display resolution	Voltage	0.1V			
	Current	0.01A			
	Power	0.01W – 0.1W – 1W auto change			
Display accuracy		±(0.1% reading + 1 digit)			
Readback accuracy		±(0.2% reading + 1 digit)			
Protection		Over Current Protection, Over Voltage Protection, Over Power Protection, Over Temperature Protection.			
Operating environment		0°C ~40°C, ≤80%RH			
Storage environment		-10°C ~70°C, ≤70%RH			
Power source		AC220V±10%, 50/62Hz (AC110V, AC115V, AC230V, AC240V at request)			
Accessories		Power cord x1, Operation manual x1			
Dimensions		73Wx140Hx205D mm			
Weight		Approx 1kg			

Specifications are subject to change without prior notice.