

APS15-3A Power supply



Product description

Overview:

APS series power supply is designed for communication maintenance technicians, training schools and R&D engineers, especially for communication devices. This product adopts the best stable series voltage regulation scheme and MCU digital control, which is high stable and low ripple, easy to be controlled and has complete protection functions.

Features:

Controlled by MCU digital and series adjustment, low ripple, low noise and high stability. Designed with double types of tables, more suitable for telecommunication devices. Fast dynamic load response speed, optimized proceeds for communication

equipment's. Support automatically recovered overcurrent protection (OCP) and overheating function (OHP). Independent USB interface, which can provide current 2.1A output, support overcurrent and short circuit protection. Support dual Voltage and dual Current; It can adjust voltage 0-5V and 0-15V. Current can select 0.5A and 5A, can be suitable for different kinds of devices. Built-in automatic voltage adjustment gear, suitable for full load more strongly. Adjusting voltage by digital encode and coarse tuning/ fine tuning switch function, which can make control more accurate and life longer. Output locking and beep warning function, can avoid operation by mistake more efficiently. Smart fan control, adjust internal temperature automatically.

Technical specifications

Specification:

Model	APS15-3A
Input Voltage	AC 240V/230V/220V/110V/120V Optional
Rated output voltage	0-5V/0-15V (dual steps)
Rated output current	0.5A/3A (dual steps)
Rated output power	56W (including USB interface output)
Ripple and noise	$CV \leq 0.5mV_{rms}$
Line Regulation	$CV \leq 0.01\% + 3mV$
Load Regulation	$CV \leq 0.01\% + 8mV$
Read Back Accuracy	LCD display: $\pm(0.5 \pm 2 \text{ digits})$ Current pointer display: Class-2.5
Protection Function	OCP(support automatically recovery)/OHP
Other Functions	coarse tuning/ fine tuning switch, 5V/ 15 switch, 0.5A/ 3A switch and parameters locking
USB interface	Fixed 5V output($\pm 5\%$), maximum 2.1A output(overcurrent protection, stop outputting)
Heat-dissipating method	Smart fan control
Working condition	Temp: $0 \sim 40^{\circ}C$ Humidity: $< 80\%$
Storage condition	Temp: $-20 \sim 70^{\circ}C$ Humidity: $< 80\%$
Size (W x H x D)	125*170*260(mm)