

DC POWER SUPPLY

DIGITAL SINGLE DC POWER SUPPLY



PS-2243 (24V/3A)
PS-2245 (24V/5A)

Specifications:

Output Voltage
 0 - 12V, 12 - 24V Switch Selector
 Accuracy
 ± 2% of Full Scale
 Output Current
 3A continuously (5A)
 Line Regulation
 0.02% + 3mV
 Load Regulation
 0.02% + 3mV
 Noise and Ripple
 2.5mV Rms
 Over current Protection
 3.2A (5.2A)
 V & A Indications
 Volt and Amp Switch Selector
 Accuracy
 ± 3%
 Power Requirements
 AC 115V/230V ± 10% 50/60Hz
 Approx 98W
 Dimensions & Weight
 215(W) × 120(H) × 200(D)

MODEL	VOLTAGE	CURRENT
8300 (30V/3A)	DIGITAL	DIGITAL
8200 (30V/3A)	DIGITAL	ANALOG
8301 (30V/5A)	DIGITAL	DIGITAL
8201 (30V/5A)	DIGITAL	ANALOG

Specification

A) Constant Voltage Range (CV):

Digital display indicating 0-30VDC continuously variable with fine adjustable for Model: 8200 and 8201.

Load Regulation: ≤ 0.01% + 3mV

Line Regulation: ≤ 0.01% + 3mV

Recovery Time: 100ns Typical

Ripple Voltage: Peak to peak ≤ 2mVrms; ≤ 1mV

Temp. Coefficient: 5mV/°C Typical

B) Constant Current Range (CC):

Analog meter indicating 0-3Amp for Model 8200 and 0-5Amp for Model 8201.

Adjustable Current Limit: 5% to 100%, 0.1A to 3A, Model: 8200

5% to 100%, 0.1A to 5A, Model: 8201

Current Line Regulation: ≤ 0.2% + 3mA

Load Regulation: ≤ 0.2% + 3mA

C) Protection: CC/CV Indicating lamp.

Protection against reverse polarity, overvoltage, short circuit, overload protection fully adjustable, current limiting and fuse primary protection.

LODESTAR MEASURING INSTRUMENTS

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