



REVISIONS

DOC. NO. SPC-F004 * Effective: 7/8/02 * DCP No: 1398

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1190	A	RELEASED	JWM	1/8/04	HO	2/11/04	CG	2/17/04



FEATURES:

- Single-Output 0 to 56 Volts, 0 to 1.1 Amps
- Coarse and Fine Voltage Controls
- Linear Regulation
- Constant Voltage or Constant Current Modes with Automatic Crossover and Mode Indication
- Separate, Digital Voltage and Current Meters

SPC-F004.DWG

TOLERANCES: UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	DRAWN BY:	DATE:	DRAWING TITLE:			
	Jeff McVicker	1/8/04	DC Power Supply, Single Output, 56 Volts, 1.1 Amps			
	CHECKED BY:	DATE:	SIZE	DWG. NO.	ELECTRONIC FILE	REV
	Hisham Odish	2/11/04	A	72-6907	01H9895.dwg	A
APPROVED BY:	DATE:	SCALE:		U.O.M.:		SHEET:
Chris Gloger	2/17/04	NTS		Millimeters		1 OF 2

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MAIN OUTPUTS

Voltage Range: 0 to 56V maximum

Current Range: 0A to 1.1A maximum

Operating Mode: Constant voltage or constant current with automatic cross-over and indication.

Voltage Setting: By coarse and fine controls.

Current Setting: By single logarithmic control.

Load regulation: <0.01% of max. O/P for a 90% load change.

Line regulation: <0.01% of max. O/P for a 10% line voltage change.

Output impedance: Typically <5milliohm. in constant voltage mode.

Typically >50kΩ in constant current mode.

Ripple & Noise(20MHz bandwidth): Typically <1mV rms, (CV mode).

Transient Response: <20μs to within 50mV of set level for 90% load change.

Temp. Coefficient: Typically <100ppm/°C.

Output Protection: Outputs will withstand forward voltages of up to 20V above the rated output voltage. Reverse protection by diode clamp for currents up to 3A.

Status Indication: Output ON lamps. Constant current mode lamps.

Output Switch: Electronic. Preset voltage and current displayed when output is off.

Output Terminals: 4mm terminals on 19mm (0.75") pitch.

METERS (main outputs)

Meter Types: Separate 3 digit meters for voltage and current with 14mm (0.56") LED displays. Reading rate 4/sec.

Meter Resolutions: 100mV, 10mA.

Meter Accuracies: Voltage 0.3% ±1 digit. Current 0.6% ±1 digit.

OUTPUT TERMINALS

Standard Type: 4mm "binding post" terminals suitable for plugs or wires.

INPUT POWER

AC Input: 230V or 115V ±10%, 50/60Hz. Adjustable internally. Installation Category II.

VA Rating: 160VA

TEMPERATURE & ENVIRONMENTAL

Operating Range: +5°C to +40°C, 20% to 80% RH.

Storage Range: -40°C to + 70°C.

Environmental: Indoor use at altitudes to 2000m, Pollution Degree 2.

Cooling: Silent fan-less convection cooling.

Safety: Complies with EN61010-1.

EMC: Complies with EN61326.

MECHANICAL

Size: 140 x 160 x 295 mm

Weight: 4.4kg

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