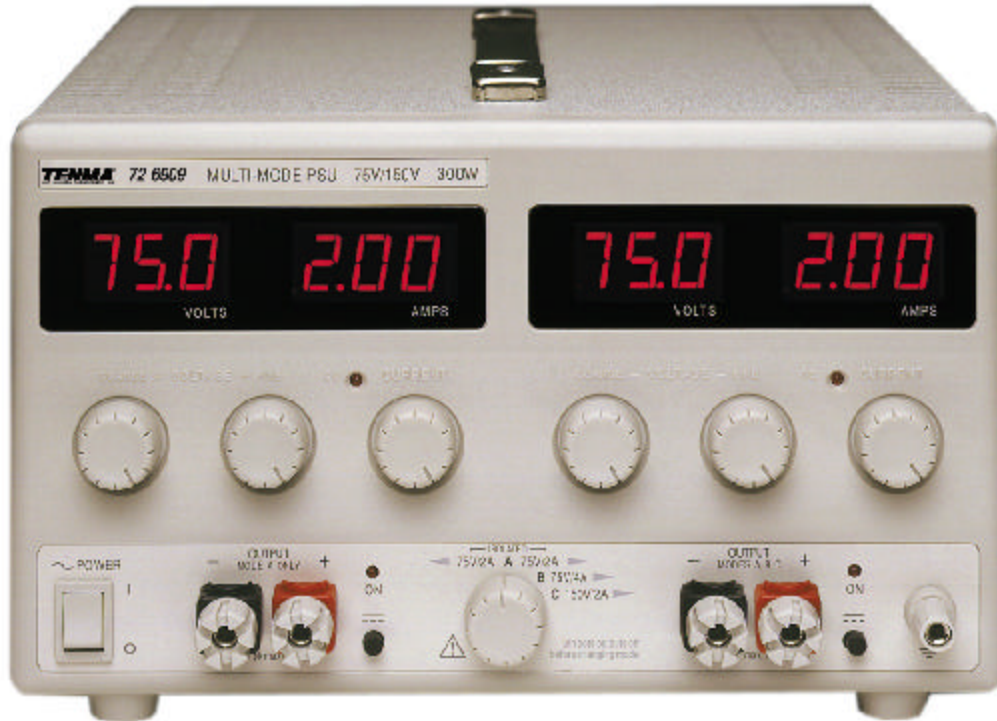




REVISIONS

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

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1699		Released	JWM	7/24/08	JN	03/04/08	JN	03/04/08



72-6909 is a dual output 300 watt PSU with Multi-Mode capability. This enables it to operate as a dual power supply with two independent and isolated outputs, or as a single power supply of double the power. As a dual, each output provides 0 to 75V at 0 to 2A (mode A). As a single the output can be selected as either 0 to 75V at 0 to 4A (mode B) or 0 to 150V at 0 to 2A (mode C). In single modes, the unused half of the unit becomes completely inoperative and its displays are blanked.

SPC-F004.DWG

TOLERANCES: UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	DRAWN BY: Jeff McVicker	DATE: 7/24/08	DRAWING TITLE: DC Power Supply, Dual Output		
	CHECKED BY: Jason Nash	DATE: 03/04/08	SIZE A	DWG. NO. 72-6909	ELECTRONIC FILE 01H9897.dwg
	APPROVED BY: Jason Nash	DATE: 03/04/08	SCALE: NTS		U.O.M.: Millimeters
			SHEET: 1 OF 2		REV

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MAIN OUTPUTS

- Operating Mode: Constant voltage or constant current with automatic crossover 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 <5m. in constant voltage mode. Typically >50k. in constant current mode.
- Ripple & Noise
(20MHz bandwidth): Typically <2mV rms, <10mV pk-pk, (CV mode).
- Transient Response: <200µs to within 50mV of set level for 90 % load change.
- Temp. Coefficient: Typically <100ppm/°C.
- Output Protection: Outputs will withstand forward voltages up to or 85V/170V
Over-voltage trip operates above these levels. Reverse protection by diode clamp for currents up to 3A.
- Status Indication: Output ON lamps. Constant current mode lamps.
- Output Switch: Electronic. Preset voltage/current displayed with output off.
- Output Terminals: 4mm terminals on 19mm (0.75") pitch.

METERS (main outputs)

- Meter Types: Separate 3 digit meter for 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.

LOGIC OUTPUT(EXT345T)

- Voltage: 5V or 3.3V, selectable by front panel switch.
- Voltage accuracy: ±2 %
- Current limit: 5A minimum.
- Load regulation: <0.5 % for a 90 % load change.
- Line regulation: <0.1 % for 10 % line voltage change.
- Ripple & Noise
(20MHz bandwidth): Typically <2mV rms, <10mV pk-pk, (CV mode).
- Output Protection: Output will withstand forward voltage above the rate output.
Diode clamp reverse protection for current to 3A.
- Output Terminals: 4mm "binding post" terminals suitable for plugs or wires.
with fully "touch proof" construction.
- Status Indication: Current limit lamp.

POWER

- AC Input: 110V to 240V ±10 %, 50/60Hz.

SIZE AND WEIGHT

- Size: 140x160x320mm (single);
260x160x320mm (dual/triple).
- Weight: 4.4kg

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.
- Safety: Complies with EN61010-1.
- EMC: Complies with EN61326.

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SPC-F004.DWG

SIZE DWG. NO.

A

72-6909

ELECTRONIC FILE

01H9897.dwg

REV

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

SCALE: NTS

U.O.M.: Millimeters

SHEET: 2 OF 2