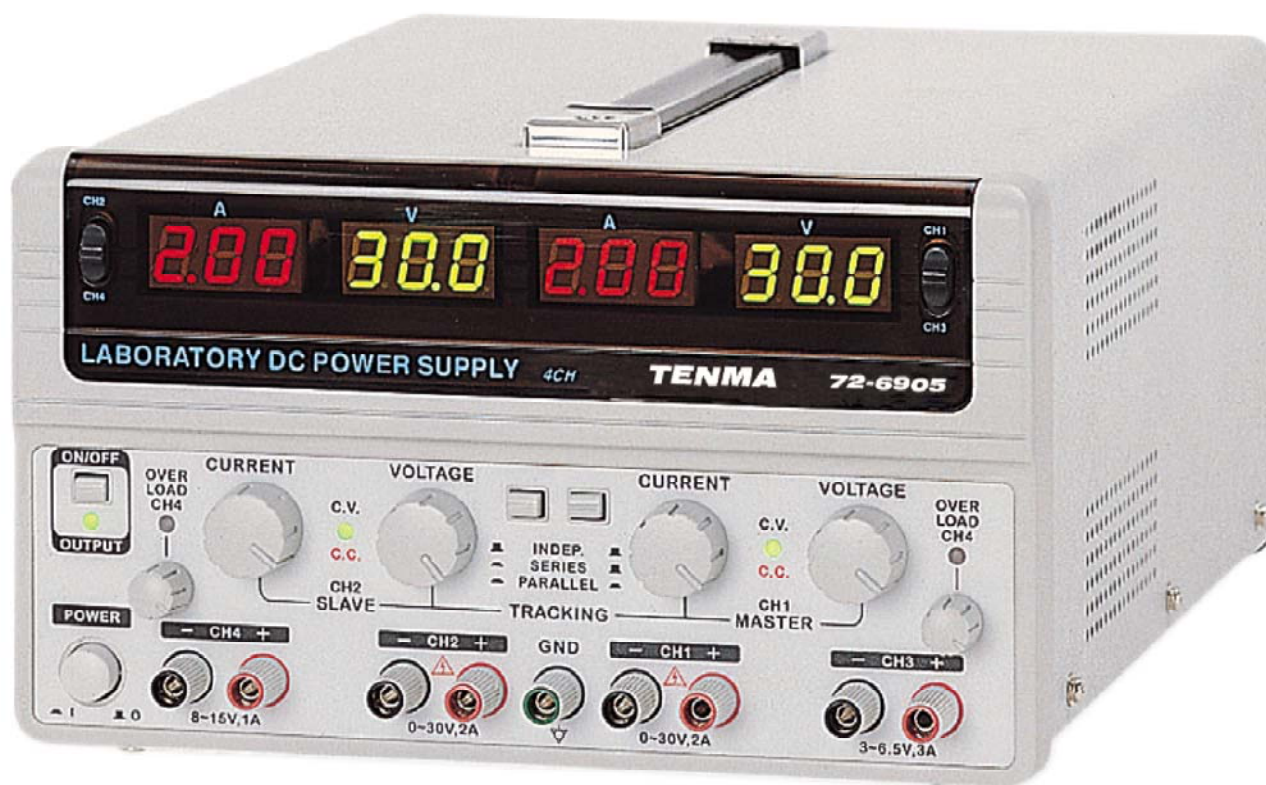


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REVISIONS			DOC. NO. SPC-F004 * Effective: 12/21/98 * DCP No: 680						
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE	
905	A	RELEASED	JWM	4/29/02	HO	4/29/02	DJC	4/29/02	

### FEATURES

- Quad Independent DC Output
- Four LED Display with 3 digits, selectable for two sets of output voltage and current display simultaneously
- Auto Series, Parallel and Tracking Operation
- Constant Voltage and Constant Current Operation
- Low Ripple and Noise
- Overload and Reverse Polarity Protection
- Selectable for Continuous/Dynamic Load
- Output Enable/Disable Control
- Rotation speed of the fan is controlled by heatsink temperature



SPC-F004.DWG

**DISCLAIMER:**  
ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	DATE:
Jeff McVicker	4/29/02
CHECKED BY:	DATE:
Hisham Odish	4/29/02
APPROVED BY:	DATE:
Daniel Carey	4/29/02

DRAWING TITLE: <b>Quad-Output DC Power Supply</b>			
SIZE <b>A</b>	DWG. NO. <b>72-6905</b>	ELECTRONIC FILE <b>36C3018.dwg</b>	REV <b>A</b>
SCALE: NTS	U.O.M.: Millimeters	SHEET: 1 OF 3	

# SPECIFICATIONS

OUTPUT MODE	CH1	CH2	CH3	CH4
Voltage	0 ~ 30V		3 ~ 6V	8 ~15V
Current	0 ~ 3A		1A Fixed	1A Fixed
Tracking Series Voltage	0 ~ 60V			
Tracking Parallel Current	0 ~ 6A			- - - - -

## CONSTANT VOLTAGE OPERATION (CH1, CH2)

**Line Regulation:**  $\leq 0.01\% + 3\text{mV}$

**Load Regulation:**  $\leq 0.01\% + 3\text{mV}$  (rating current  $\leq 3\text{A}$ )  
 $\leq 0.02\% + 5\text{mV}$  (rating current  $\leq 10\text{A}$ )

**Ripple & Noise:**  $\leq 1\text{mVrms}$  5Hz ~ 1MHz

**Recovery Time:**  $\leq 100\mu\text{S}$  (50% Load change, Minimum load 0.5A)

## CONSTANT CURRENT OPERATION (CH1, CH2)

**Line Regulation:**  $\leq 0.2\% + 3\text{mA}$

**Load Regulation:**  $\leq 0.2\% + 3\text{mA}$

**Ripple & Noise:**  $\leq 3\text{mArms}$

## TRACKING OPERATION (CH1, CH2)

**Tracking Error:**  $\leq 0.5\% + 3\text{mV}$  of the Master

**Series Regulation:**  $\leq 300\text{mV}$

**Load Regulation:**  $\leq 0.01\% + 3\text{mV}$

**Ripple & Noise:**  $\leq 2\text{mVrms}$  5Hz ~ 1MHz

## 3V ~ 6V OUTPUT (CH3)

**Line Regulation:**  $\leq 5\text{mV}$

**Load Regulation:**  $\leq 10\text{mV}$

**Ripple & Noise:**  $\leq 2\text{mVrms}$ , 5Hz ~ 1MHz

**Voltage Accuracy:**  $\pm 5\%$  rdg

**Current Output:** 1A

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	72-6905	36C3018.dwg	A
SCALE:	NTS	U.O.M.: Millimeters	SHEET: 2 OF 3

## SPECIFICATIONS (cont.)

### 8V ~ 15V OUTPUT (CH4)

**Line Regulation:**  $\leq 5\text{mV}$

**Load Regulation:**  $\leq 10\text{mV}$

**Ripple & Noise:**  $\leq 2\text{mVrms}$ , 5Hz ~ 1MHz

**Voltage Accuracy:**  $\pm 5\%$  rdg

**Current Output:** 1A

### METER

**Digital:** 3 digits 0.5" LED display

**Accuracy:**  $\pm(0.5\%$  rdg + 2 digits)

### INSULATION

**Chassis and Terminal:**  $\geq \text{DC } 500\text{V} / 20\text{Megohm}$

**Chassis and AC Cord:**  $\geq \text{DC } 500\text{V} / 30\text{Megohm}$

**POWER SOURCE:** AC 100V/120V/220V/240V  $\pm 10\%$ , 50/60Hz

### ACCESSORIES

Instruction manual

Power cord

Four Test leads

**DIMENSIONS & WEIGHT:** 255(W) x 145(H) x 315(D) mm, Approx. 11.5 kg

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	72-6905	36C3018.dwg	A
SCALE:	NTS	U.O.M.: INCHES [mm]	SHEET: 3 OF 3