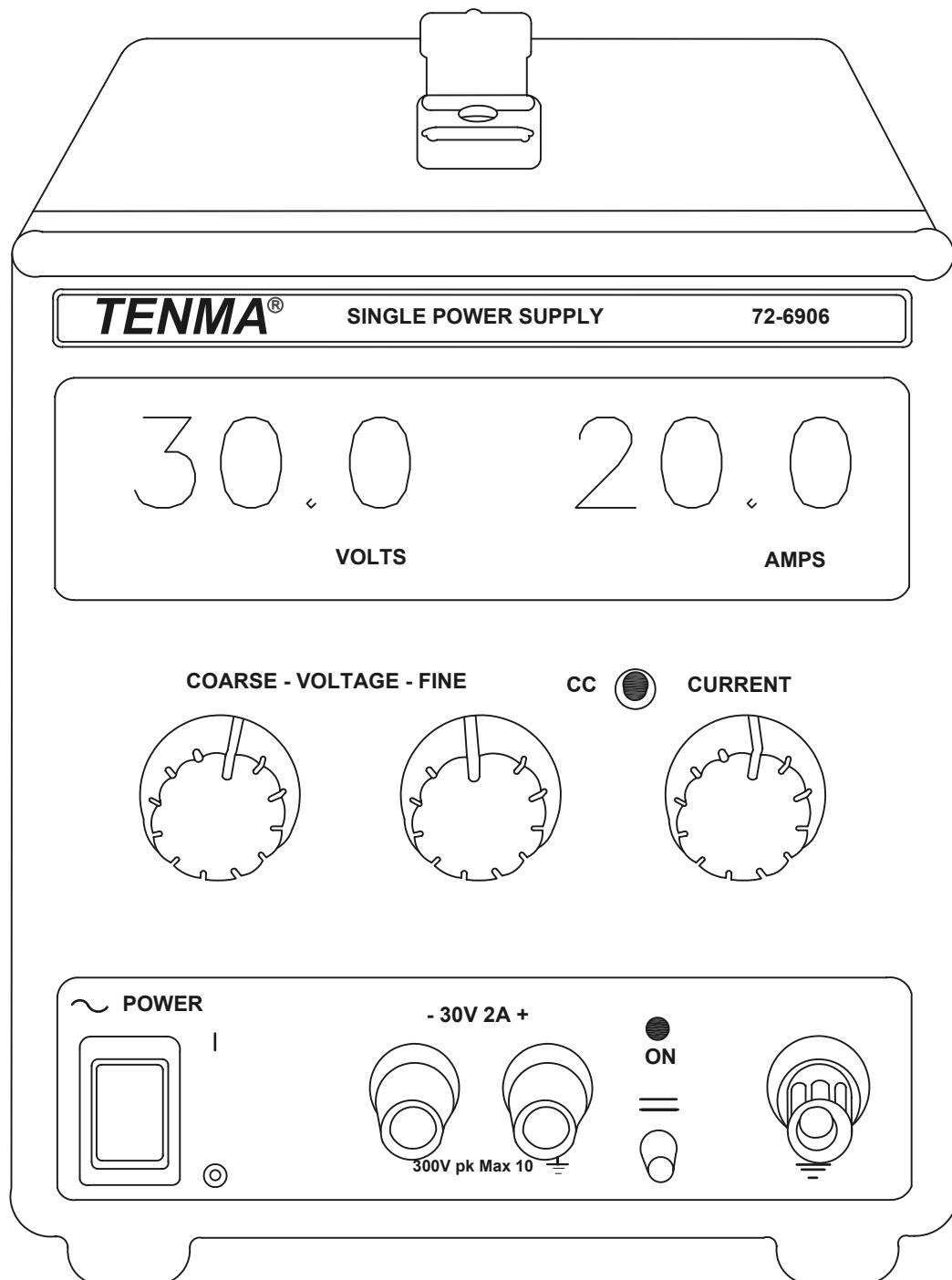


TENMA®

REVISIONS

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

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
			JAG	24-08-10	MRD	24-08-10	XXX	07-09-10

 RoHS
Compliant

SPC-F004.DWG

TOLERANCES: UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	DRAWN BY:	DATE:	DRAWING TITLE: Bench Power Supply, DC, Single Output			
	JAG	24-08-10				
	CHECKED BY:	DATE:				
	MRD	24-08-10				
	APPROVED BY:	DATE:				
	XXX	07-09-10				
			SIZE	DWG. NO.	ELECTRONIC FILE	REV
		A		XXX	01h9894	A
		SCALE:	NTS	U.O.M.: INCHES [mm]	SHEET:	1 OF 1

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Features:

Single output, 0 ~ 30V DC, 0 ~ 1A, 30W
Linear regulation
Simultaneous digital metering, both voltage and current
Constant voltage or constant current operation

Specifications:

MAIN OUTPUTS:

- Voltage Range: OV to 30V minimum
- Current Range: OA to 1A minimum
- 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 maximum O/p for a 90% load change.
- Line regulation: <0.01% of maximum O/P for a 10% line voltage change.
- Output impedance: Typically $<5\text{m}\Omega$ in constant voltage mode.
Typically $>50\text{k}\Omega$ in constant current mode.
- Ripple & Noise (20 MHz bandwidth): Typically $<1\text{mV rms}$, (CV mode).
- Transient Response: <20m to within 50mV of set level for 90% load change.
- Temp. Coefficient: Typically $<10\text{ppm/}^{\circ}\text{C}$.
- 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: Electro

- Output Terminals: 4mm terminals on 19mm (0.75 inches) pitch.
- Meters (main outputs):
 - Meter Types: Separate 3 digit meters for voltage and current with 14mm (0.56 inches) LED displays Reading rate 4/second
 - Meter Resolutions: 100mV, 10mA.

-Meter Accuracies

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: 85 VA

Temperature & Environmental:

-Operating Range: +5°C to +40°C, 20% to 80% RH.
-Storage Range: -40°C to + 70°C.

-Environment

- Cooling: Silent fan-less cooling
- Safety: Complies with EN 60068-2-29
- Mechanical:
 - Size: 140 x 160 x 295 mm

B-1 Nucleon

Description	Part Number
Bench Power Supply, DC, Single Output	72-6906 CALIBRATED W/DATA

SPC-F004.DWG

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