

TENMA®

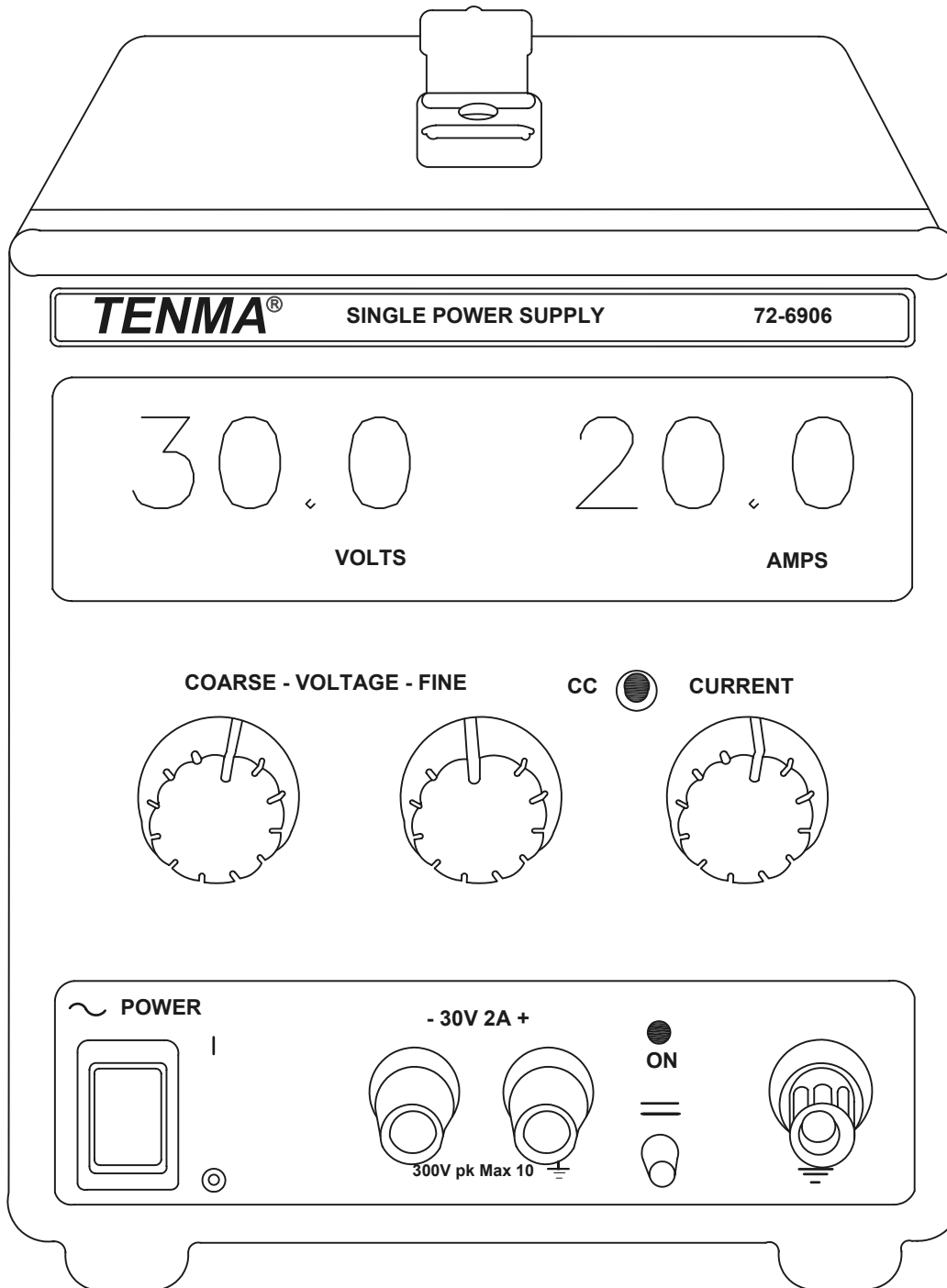
REVISIONS

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:					
	JAG	24-08-10	Bench Power Supply, DC, Single Output					
	CHECKED BY:	DATE:	SIZE	DWG. NO.	ELECTRONIC FILE		REV	
	MRD	24-08-10	A	XXX	01h9894		A	
	APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: INCHES [mm]		SHEET: 1 OF 1	
	XXX	07-09-10						

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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: 0V to 30V minimum
-Current Range: 0A 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 <5mΩ in constant voltage mode.
Typically >50kΩ in constant current code.
-Ripple & Noise (20 MHz bandwidth): Typically <1mV rms, (CV mode).
-Transient Response: <20ms 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 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: Voltage 0.3%± digit. Current 0.6% ± 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: 85 VA
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 EN1326.
Mechanical:
-Size: 140 x 160 x 295 mm
-Weight: 3.4 kg

Part Number Table

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

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