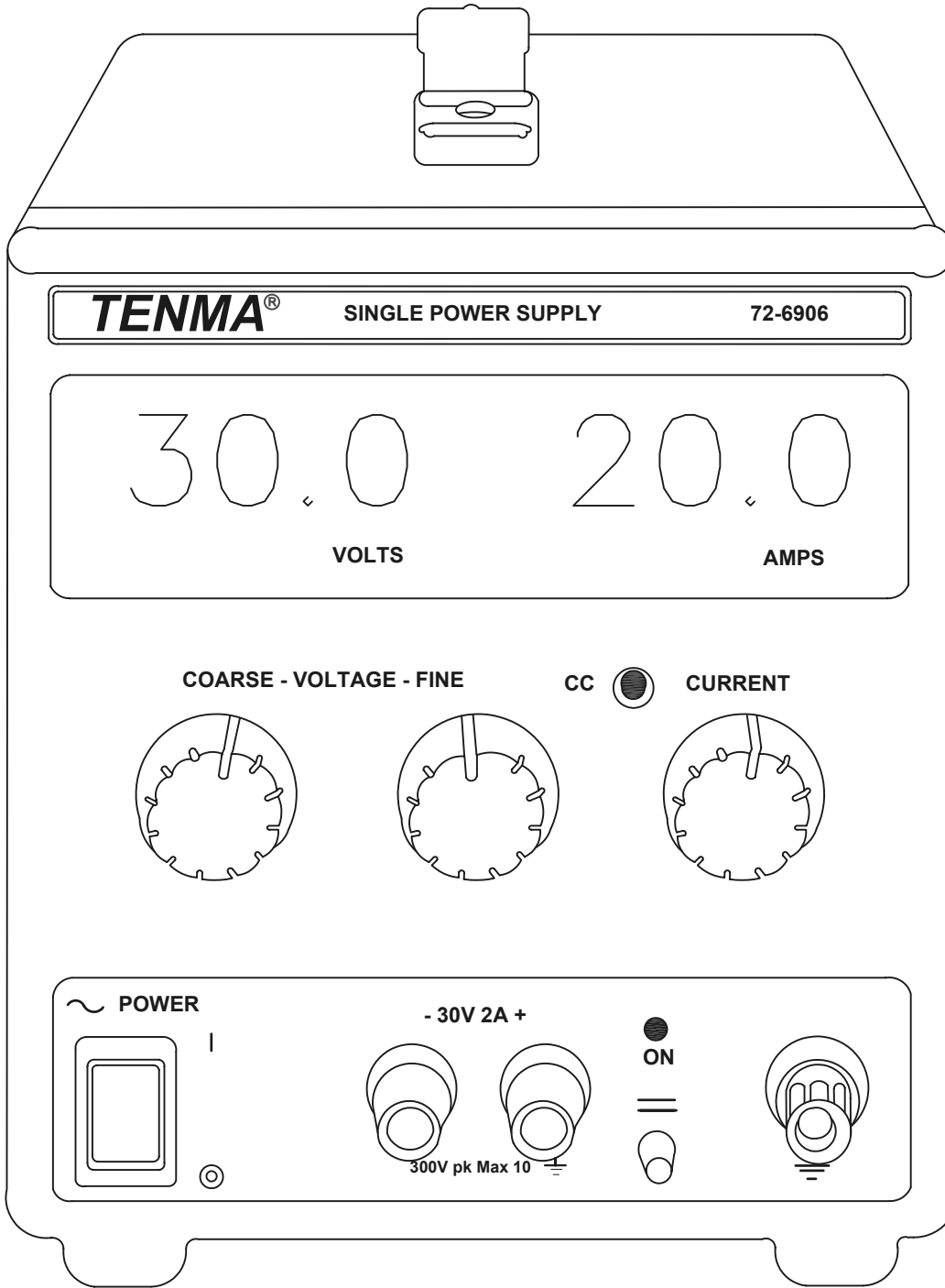




REVISIONS

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



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:	U.O.M.:	SHEET:		
XXX	07-09-10	NTS	INCHES [mm]	1 OF 1		

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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



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: <20m 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

SPC-F004.DWG

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	XXX	07-09-10	NTS			

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