



REVISIONS

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

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1754	A	RELEASED	DCM	11/19/05	HO	11/21/05	JWM	11/21/05



- Easy Operation, with UP/DOWN Key
- Operating Current: 6mA ~ 60A
- Operating Power: 1 ~ 300W
- Operating Voltage: DC 3 ~ 60V
- High Resolution: 20mV, 0.2mA, 0.33mW
- Over Voltage, Over Current, Over Power Protection
- Memory Store and Recall: 100 Points
- Max. Power: 300 W
- Operation Mode: Constant Voltage mode, Constant Current mode, Constant Resistance mode
- Transient Generator Frequency
Frequency Range: 1Hz ~ 1kHz ; Duty Range 10% ~ 90%
- Self-Test and Software Calibration
- Meet UL, CSA, IEC Safety Regulation

SPC-F004.DWG

TOLERANCES: UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	DRAWN BY:	DATE:	DRAWING TITLE:			
	Daniel Mcvicker	11/19/05	Programmable D.C. Electronic Load			
	CHECKED BY:	DATE:	SIZE	DWG. NO.	ELECTRONIC FILE	REV
	Hisham Odish	11/21/05	A	72-7680 Calibrated w/Data	02J7824.dwg	A
APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: Millimeters		SHEET: 1 OF 2
JWM	11/21/05					

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RATING	Operating Voltage	DC 3 ~ 60V
	Operating Current	6mA ~ 60A
	Operating Power	1 ~ 300W
	Minimum Operation	3V
CV MODE	Operating Range	3 ~ 60V
	Setting Accuracy	$\pm(0.1\% + 40\text{mV})$
	Setting Resolution	20mV
CC MODE	Operating Range	6mA ~ 60A
	Setting Accuracy	6.02A ~ 60A Range $\pm(0.5\% + 100\text{mA})$
		0.602A ~ 6A Range $\pm(0.1\% + 10\text{mA})$
		6mA ~ 0.6A Range $\pm(0.1\% + 1\text{mA})$
	Setting Resolution	6.02A ~ 60A Range 20mA
0.602A ~ 6A Range 2mA		
6mA ~ 0.6A Range 0.2mA		
CR MODE	Operating Range	50mW ~ 1k W
	Setting Accuracy	100.33W ~ 1kW $\pm(5\% + 1\text{W})$
		10.033W ~ 100W $\pm(5\% + 100\text{mW})$
		1.0033W ~ 10W $\pm(5\% + 1\text{mW})$
	Setting Resolution	50m W ~ 1W $\pm(5\% + 1\text{mW})$
		100.33 W ~ 1k W 330mW
		10.033W ~ 100 W 33mW
1.0033 W ~ 10 W 3.3mW		
DYNAMIC OPERATION CC MODE ONLY	Frequency Range	1Hz ~ 1kHz
	Resolution	105Hz ~ 1kHz Range 5Hz
		10.5Hz ~ 100Hz Range 0.5Hz
		1Hz ~ 10Hz Range 0.05Hz
	Duty Range	10% ~ 90%
Resolution	1%	
VOLTAGE READBACK	Accuracy	$\pm(0.1\% + 60\text{mV})$
CURRENT READBACK	Accuracy	6.02A ~ 60A Range $\pm(0.5\% + 100\text{mA})$
		0.602A ~ 6A Range $\pm(0.1\% + 10\text{mA})$
		6mA ~ 0.6A Range $\pm(0.1\% + 1\text{mA})$
	Resolution	6.02A ~ 60A Range 20mA
		0.602A ~ 6A Range 2mA
6mA ~ 0.6A Range 0.2mA		
MEMORY	Store / Recall Points	0 ~ 99
TIMER	Range	1 sec ~ 999 Min 59 sec
	Resolution	1 sec
	Function	for load on
POWER SOURCE		AC100V/120V/220V/240V $\pm 10\%$, 50/60Hz
ACCESSORIES		Power cord x 1, Instruction manual x 1
DIMENSIONS & WEIGHT		255(W) x 145(H) x 346(D) mm, Approx. 9kg

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SPC-F004.DWG

SIZE DWG. NO.

A 72-7680 Calibrated w/Data

ELECTRONIC FILE

02J7824.dwg

REV

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