



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

<p>TOLERANCES: UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.</p>	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	96H1235.dwg	A
APPROVED BY:	DATE:	SCALE:	U.O.M.:	SHEET:		
JWM	11/21/05	NTS	Millimeters	1 OF 2		

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<b>RATING</b>	Operating Voltage	DC 3 ~ 60V
	Operating Current	6mA ~ 60A
	Operating Power	1 ~ 300W
	Minimum Operation	3V
<b>CV MODE</b>	Operating Range	3 ~ 60V
	Setting Accuracy	$\pm(0.1\% + 40\text{mV})$
	Setting Resolution	20mV
<b>CC MODE</b>	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	
<b>CR MODE</b>	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		
<b>DYNAMIC OPERATION CC MODE ONLY</b>	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%	
<b>VOLTAGE</b>	Accuracy	$\pm(0.1\% + 60\text{mV})$
<b>READBACK</b>	Resolution	20mV
<b>CURRENT READBACK</b>	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		
<b>MEMORY</b>	Store / Recall Points	0 ~ 99
<b>TIMER</b>	Range	1 sec ~ 999 Min 59 sec
	Resolution	1 sec
	Function	for load on
<b>POWER SOURCE</b>		AC100V/120V/220V/240V $\pm 10\%$ , 50/60Hz
<b>ACCESSORIES</b>		Power cord x 1, Instruction manual x 1
<b>DIMENSIONS &amp; WEIGHT</b>		255(W) x 145(H) x 346(D) mm, Approx. 9kg

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SPC-F004.DWG

SIZE DWG. NO.

A 72-7680

ELECTRONIC FILE

96H1235.dwg

REV

A

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SCALE: NTS

U.O.M.: Millimeters

SHEET: 2 OF 2