

# PROGRAMMABLE DC ELECTRONICS LOAD

## MODEL- M9717B (0-120A/0-500V/0-3600W)



### Features:

- Six high speed operation modes: CC,CR,CV,CW,CC+CV,CR+CV
- Over current, over voltage, over power, over heating and polarity reversal protection
- High-luminance vacuum fluorescent display (VFD) screen with two line, four channel display
- Intelligent fan cooling with auto fan ON/OFF according to the temperature
- Soft-start time setting, activating the power supply in accordance with the set voltage value
- Battery test and short-circuit test functions
- Capable of rising edge and falling edge dynamic testing
- Supporting external triggeron either input or output
- External current waveform monitor terminal output terminal
- Supports remote voltage compensation and multi-data storage
- Power-on-self-test, software calibration and standard rack mountable
- Edits arbitrary waveforms in list function
- Available with RS232/RS485/USB serial interfaces.

### Application:

M97XX series have wide application from production lines for cell phone chargers, cell phone batteries, electronic vehicle batteries, switching power supplies, linear power supplies, and LED drivers, to research institute, automotive electronic, aeronautic and astronautic, maritime, solar celland fuel cell etc.test and measurement applications.

## Specifications:

Input Rating	Power	3600W	
	Current	0-120A	
	Voltage	0-500V	
CC Mode	Range	0-12A	0-120A
	Resolution	1mA	10mA
	Accuracy	0.05%+0.05%FS	0.1%+0.05%FS
CV Mode	Range	0.1-19.999V	0.1-500V
	Resolution	1mV	10mV
	Accuracy	0.03%+0.02%FS	0.03%+0.05%FS
CR Mode (Voltage and current input value $\geq 10\%$ full measurement)	Range	0.03-10K	0.03-5K
	Resolution	16bit	16bit
	Accuracy	0.1%+0.1%FS	0.1%+0.1%FS
CW Mode (Voltage and current input value $\geq 10\%$ full measurement)	Range	0-3600W	0-3600W
	Resolution	1mW	10mW
	Accuracy	0.1%+0.1%FS	0.1%+0.1%FS
Voltage Measurement	Voltage	0-19.999V	0-500V
	Resolution	1mV	10mV
	Accuracy	0.015%+0.03%FS	0.015%+0.05%FS
Current Measurement	Current	0-12A	0-120A
	Resolution	0.1mA	1mA
	Accuracy	0.03%+0.05%FS	0.1%+0.08%FS
Power Measurement (Voltage and current input value $\geq 10\%$ full measurement)	Power	100W	3600W
	Resolution	1mW	10mW
	Accuracy	0.1%+0.1%FS	0.1%+0.1%FS
Battery Test	Battery Input: 0.5-120V; Max. Measurement Capacity: 999AH; Resolution:0.1mA; Test Time Range:1 Sec-16 Hrs		
Dynamic Test	Dynamic List: 0-25kHz; 2.5A/ $\mu$ S; T1&T2: 60 $\mu$ S-999S; Accuracy:+15% offset+10%FS		
Current soft-startup Time	1mS; 2mS; 5mS;10mS; 20mS; 50mS;100mS; 200mS; Accuracy: +15% offset+10%FS		
Short Circuit	Current(CC)	$\approx 13.2A$	$\approx 132A$
	Voltage(CV)	0V	
	Resistance(CR)	$\approx 45m$	
Temperature	Operating	0~40°C	
	Nonoperating	-10°C~70°C	
Dimension	W*H*D(mm)	489.5*357*538.5	
Weight	Kg	70	