

HIGH POWER DC ELECTRONIC LOAD

4000W~6000W

BRIEF INTRODUCTION

HP8XXX series electronic load has 4 test modes: CC, CV, CR, and CW. It also has multiple function modes: dynamic test function, current protection test mode, load effect mode, battery test mode, dynamic scan mode, timing test mode, voltage protect test mode, LIST mode, and AUTO mode. At the same time, it has comprehensive protection functions, overheat protection, overcurrent protection, over power protection, overvoltage protection ring and road oscillation protection.

FEATURES

- 500kHz high-speed voltage and current sampling rate
- High precision voltage and current measurement
- Fast loop response speed and current slew rate
- Multiple protection function design
- Equipped with remote 4-wire compensation
- Current ripple and voltage ripple display in real time
- Modular design for easy installation and maintenance
- Power module self-test, fast speed locate fault

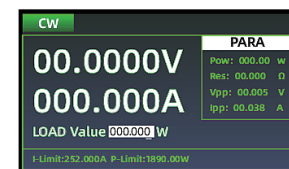
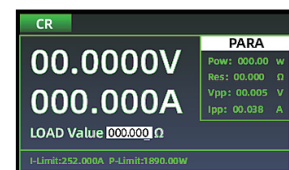
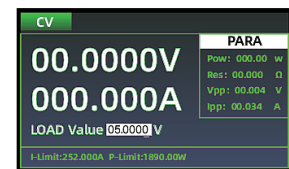


APPLICATION

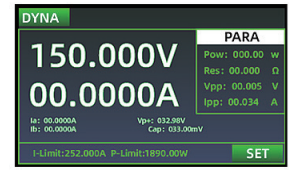
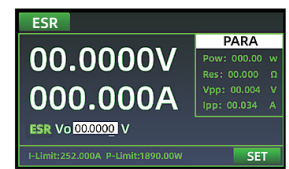
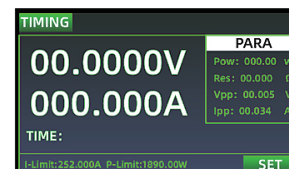
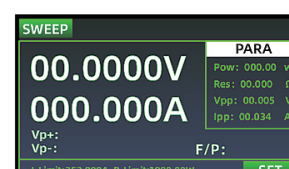
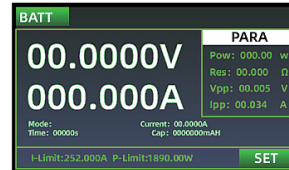
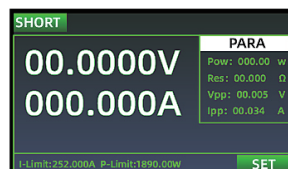
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|----------------------|------------------|
| Server power | Industrial motor |
| Car charge | Battery pack |
| Enger storage system | High power UPS |
| Military aerospace | DC charging pile |

TEST MODE

Normal mode



Extended mode



PROGRAMMABLE DC ELECTRONIC LOAD

4000W~6000W

SPECIFICATION

Model	HP8402 - M		HP8402B - M		HP8402C - M	
Input voltage	15V	150V	50V	500V	15V	150V
Input current	24A	240A	12A	120A	50A	500A
Input power	4000W					
Minimum operating voltage	1V@240A		3V@120A		1.5V@500A	
Minimum full-range current climb time	25us		25us		25us	
CV Mode						
Range	15V	150V	50V	500V	15V	150V
Resolution	0.2mV	2mV	0.7mV	7mV	0.2mV	2mV
Accuracy	±(0.05%+0.025%FS)					
CC Mode						
Range	24A	240A	12A	120A	50A	500A
Resolution	0.3mA	3mA	0.1mA	1mA	0.7mA	7mA
Accuracy	±(0.1%+0.1%FS)					
CR Mode						
Range	0.01Ω~6kΩ		0.06Ω~42kΩ		0.003Ω~3kΩ	
Resolution	16Bits					
Accuracy	±0.1%					
CW Mode						
Range	4000W					
Resolution	16Bits					
Accuracy	±(0.2%+0.2%FS)					
Dynamic Mode						
Ta & Tb	10us~50s					
Minimum resolution	10us					
Maximum rise/fall slope	3A/us		3A/us		3A/us	
Voltage Readback Value						
Range	15V	150V	50V	500V	15V	150V
Resolution	0.1mV	1mV	0.3mV	3mV	0.1mV	1mV
Accuracy	±(0.025%+0.025%FS)					
Current Readback Value						
Range	24A	240A	12A	120A	50A	500A
Resolution	0.1mA	1mA	0.09mA	0.9mA	0.3mA	3mA
Accuracy	±(0.05%+0.05%FS)					
Ripple Readback Value						
Range (U/I)	150V/240A		500V/120A		150V/500A	
Bandwidth	10Hz~250kHz					
Accuracy	±1%					
Protection Range						
Overpower protection bandwidth	4200W					
Overcurrent protection	252A		126A		525A	
Overvoltage protection	158V		525V		158V	
Over temperature protection	≈85°C					
Dimensions						
Size (L*W*H)	624mm*483mm*176mm					
Net Weight (Kg)	39 Kg					

ACCESSORY



RS232 communication cable



AC power cord



External trigger connector

PROGRAMMABLE DC ELECTRONIC LOAD

4000W~6000W

SPECIFICATION

Model	HP8502 -M		HP8502B -M		HP8502C -M	
Input voltage	15V	150V	50V	500V	15V	150V
Input current	24A	240A	12A	120A	50A	500A
Input power	5000W					
Minimum operating voltage	1V@240A		2.5V@120A		1.5V@500A	
Minimum full-range current climb time	25us		25us		25us	
CV Mode						
Range	15V	150V	50V	500V	15V	150V
Resolution	0.2mV	2mV	0.7mV	7mV	0.2mV	2mV
Accuracy	±(0.025%+0.05%FS)					
CC Mode						
Range	24A	240A	12A	120A	50A	500A
Resolution	0.3mA	3mA	0.1mA	1mA	0.7mA	7mA
Accuracy	±(0.05%+0.05%FS)					
CR Mode						
Range	0.02Ω~6k Ω		0.07Ω~42k Ω		0.004Ω~3k Ω	
Resolution	16Bits					
Accuracy	±0.1%					
CW Mode						
Range	5000W					
Resolution	16Bits					
Accuracy	± (0.2%+0.2%FS)					
Dynamic Mode						
Ta & Tb	10us~50s					
Minimum resolution	10us					
Maximum rise/fall slope	3A/us		3A/us		3A/us	
Voltage Readback Value						
Range	15V	150V	50V	500V	15V	150V
Resolution	0.1mV	1mV	0.3mV	3mV	0.1mV	1mV
Accuracy	±(0.025%+0.025%FS)					
Current Readback Value						
Range	24A	240A	12A	120A	50A	500A
Resolution	0.1mA	1mA	0.09mA	0.9mA	0.3mA	3mA
Accuracy	±(0.05%+0.05%FS)					
Ripple Readback Value						
Range (U/I)	150V/240A		500V/120A		150V/500A	
Bandwidth	10Hz~250kHz					
Range (U/I)	±1%					
Protection Range						
Overpower protection bandwidth	6250W		5250W		5250W	
Overcurrent protection	252A		126A		525A	
Overvoltage protection	158V		525V		158V	
Over temperature protection	≒85°C					
Dimensions						
Size (L*W*H)	624mm*483mm*17.6mm					
Net Weight (Kg)	44 Kg					

ACCESSORY



RS232 communication cable



AC power cord



External trigger connector

PROGRAMMABLE DC ELECTRONIC LOAD

4000W~6000W

SPECIFICATION

Model	HP8602 -M		HP8602B -M		HP8602C -M	
Input voltage	15V	150V	50V	500V	15V	150V
Input current	24A	240A	12A	120A	50A	500A
Input power	6000W					
Minimum operating voltage	1.5V@240A		2.5V@120A		1.5V@500A	
Minimum full -range current climb time	25us		25us		25us	
CV Mode						
Range	15V	150V	50V	500V	15V	150V
Resolution	0.2mV	2mV	0.7mV	7mV	0.2mV	2mV
Accuracy	±(0.025%+0.05%FS)					
CC Mode						
Range	24A	240A	12A	120A	50A	500A
Resolution	0.3mA	3mA	0.1mA	1mA	0.7mA	7mA
Accuracy	±(0.1%+0.1%FS)					
CR Mode						
Range	0.02Ω~6k Ω		0.08Ω~41k Ω		0.005Ω~3k Ω	
Resolution	16Bits					
Accuracy	±0.1%					
CW Mode						
Range	6000W					
Resolution	16Bits					
Accuracy	± (0.2%+0.2%FS)					
Dynamic Mode						
Ta & Tb	10us~50s					
Minimum resolution	10us					
Maximum rise/fall slope	3A/us		3A/us		3A/us	
Voltage Readback Value						
Range	15V	150V	50V	500V	15V	150V
Resolution	0.1mV	1mV	0.3mV	3mV	0.1mV	1mV
Accuracy	±(0.025%+0.025%FS)					
Current Readback Value						
Range	24A	240A	12A	120A	50A	500A
Resolution	0.1mA	1mA	0.09mA	0.9mA	0.3mA	3mA
Accuracy	±(0.05%+0.05%FS)					
Ripple Readback Value						
Range (U/I)	150V/240A		500V/120A		150V/500A	
Bandwidth	10Hz~250kHz					
Range (U/I)	±1%					
Protection Range						
Overpower protection bandwidth	6300W		6300W		6300W	
Overcurrent protection	252A		126A		525A	
Overvoltage protection	158V		525V		158V	
Over temperature protection	≧85°C					
Dimensions						
Size (L*W*H)	624mm*483mm*17.6mm					
Net Weight (Kg)	45 Kg					

ACCESSORY



RS232 communication cable



AC power cord



External trigger connector