



Programmable DC Electronic Load —3.2kW-6kW series

OVERVIEW

HT8XXX load is a precision programmable DC electronic load controlled by a high-performance microprocessor. Uses 3.5-inch TFT true color LCD display with Chinese and English menu.

Modular design, high energy density, easy to maintenance and expand the power range.

Self-diagnosis function, monitoring every power unit.

Rich interfaces configuration. LAN, USB and analog interfaces to meet your versatile solution and testing needs.

Test function

4 basic working modes CC/CV/CR/CW and supports multiple extended function modes: Dynamic test mode (DYNA)

Voltage protection test mode

EFFECT mode

Battery test function

High-speed dynamic frequency conversion scanning function (SWEEP)

AUTO mode

Timing test mode

Current protection test mode

LIST function

With comprehensive protection, over-heat protection, over-current protection, over-power protection, over-voltage protection, loop oscillation protection

FEATURES

- 500kHz high speed voltage, current sampling rate
- High precision voltage and current measurement
- Fast loop response speed and current slew rate Programmable single step up to 10 μ s
- Equipped with remote four-wire compensation
- Unique real-time display of current ripple and voltage ripple Real-time display of load power and resistance

SPECIFICATION

Model	HP8402		HP8402B		HP8402C	
Input voltage	15V	150V	50V	500V	15V	150V
Input current	24A	240A	12A	120A	50A	500A
Input power	4000W					
Min.operation voltage	1V@240A		2.5V@120A		1.5V@500A	
Min.risetime@ FScurrent	100us		100us		100us	
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	0.1Ω~7.5kΩ		0.1Ω~7.5kΩ		0.1Ω~7.5kΩ	
Resolution	16Bit					
Accuracy	±0.1%					
CW mode						
Range	4000W					
Resolution	16Bits					
Accuracy	± (0.2%+0.2%FS)					
Dynamic mode						
Ta& Tb	10us~50s					
Min.resolution	10us					
Min. rise time	2.5A/us		1A/us		5A/us	
Read-back voltage						
Range	15V	150V	50V	500V	15V	150V
Resolution	0.1mV	1mV	0.3mV	3mV	0.1mV	1mV
Accuracy	±(0.025%+0.025%FS)					
Read-back current						
Range	24A	240A	12A	120A	50A	500A
Resolution	0.1mA	1mA	0.09mA	0.9mA	0.3mA	3mA
Accuracy	±(0.05%+0.05%FS)					
Read-back Ripple						
Range(R/I)	150V/240A		500V/120A		150V/500A	
bandwidth	10Hz~250kHz					
Accuracy	±1%					
Protection range						
Over-powerprotection	4200W		4200W		4200W	
Over-currentprotection	252A		126A		525A	
Over-voltageprotection	158V		525V		158V	
Over-temperatureprotection	≈85°C					
Specification						
Dimension (D*W*H)	624mm*483mm*176mm					
Gross Weight	39Kg					