

High Power Programmable DC Electronic Load — 10kW-20kW Modular Series

Home / DC Electronic Load / Modular DC Load / High Power Programmable DC Electronic Load — 10kW-20kW Modular Series

Overview



HT8000-Load is a precision programmable DC electronic load controlled by a high performance microprocessor. It uses 3.5-inch TFT true color LCD display with Chinese and English menu.

Offers 4 basic working modes (CC/CR/CP/CPM) and 10 functional modes.

With comprehensive protection, over-current protection, over-current protection, over-voltage protection, load regulation protection, HT8000-Load supports IEEE488, USB and analog interfaces to fit your versatile solution and test needs.

- 1. 4 Basic Working Modes
- 2. 10 Functional Modes
- 3. Multiple Protection

Test Function

Test function: 4 basic working modes (CC/CR/CP/CPM) and 10 functional modes (multiple extended function modes):

- DTM dynamic test function
- OCP over-current protection mode
- BATT battery mode
- EFT load-effect mode
- SPSR dynamic frequency conversion scanning function
- (RMS) $\sqrt{I^2}$ measurement function
- OVP over-voltage protection mode
- ILC mode
- IET function
- IOL+HOLD (load LED mode)

- High Energy Density
- High Range Electronic Load
- Instrument Self-Diagnosis
- Modular Design
- Multiple Protection



Feature

- 500ns 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 50/50
- Equipped with accurate four wire compensation
- Real-time display of current ripple and voltage ripple
- Real-time display of load power and resistance

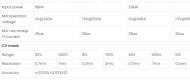


Specification

Model	HT8000-M	HT8000-M	HT8000-M	HT8000-M
Input voltage	50V	100V	50V	100V
Input current	24A	240A	50A	500A
Input power	10kW			10kW
Min operation voltage	15V@240A	15V@500A	25V@240A	15V@500A
Min rise/fall time (I ₀ current)	25μs	25μs	25μs	25μs
CC mode				
Range	50V	100V	50V	100V
Resolution	0.1mV	1mV	0.2mV	2mV
Accuracy	±(0.05%+0.02%I)			
CR mode				
Range	24A	240A	50A	500A
Resolution	0.3mA	3mA	0.7mA	7mA
Accuracy	±(0.05%+0.02%I)			
CP mode				
Range	0.040-20Ω	0.050-30Ω	0.040-20Ω	0.050-30Ω
Resolution	000Ω			
Accuracy	±0%			
CPM mode				
Range	50V			100V
Resolution	000Ω			
Accuracy	± (0.1%+0.05%I)			
Dynamic mode				
Full S/F	50u-500			
Min resolution	5uA			
Min. rise time	24μs	24μs	24μs	24μs
Load-back voltage				
Range	50V	100V	50V	100V
Resolution	0.2mV	2mV	0.2mV	2mV
Accuracy	±(0.05%+0.05%I)			
Load-back current				
Range	24A	240A	50A	500A
Resolution	0.3mA	3mA	0.7mA	7mA
Accuracy	±(0.05%+0.02%I)			
Load-back ripple				
Range (ΔI)	500m/240A	50V/500A	50V/240A	50V/500A
Bandwidth	50Hz-250kHz			
Accuracy	±1%			
Protection range				
Over-power protection	1000W		1000W	
Over-current protection	25A	250A	250A	250A
Over-voltage protection	120V	80V	120V	100V
Over-temperature protection	+85°C			
Specification				
Dimension (L*W*H)	634mm*483mm*177.8mm			
Gross weight	50kg			

Model	HT8000-M	HT8000-M	HT8000-M	HT8000-M
Input voltage	50V	100V	50V	100V
Input current	24A	240A	50A	500A
Input power	10kW			10kW
Min operation voltage	25V@240A	15V@500A	25V@240A	15V@500A
Min rise/fall time (I ₀ current)	25μs	25μs	25μs	25μs
CC mode				
Range	50V	100V	50V	100V
Resolution	0.1mV	1mV	0.2mV	2mV
Accuracy	±(0.05%+0.02%I)			
CR mode				
Range	24A	240A	50A	500A
Resolution	0.3mA	3mA	0.7mA	7mA
Accuracy	±(0.05%+0.02%I)			
CP mode				
Range	0.050-20Ω	0.050-30Ω	0.050-20Ω	0.050-30Ω
Resolution	000Ω			
Accuracy	±0%			
CPM mode				
Range	50V			100V
Resolution	000Ω			
Accuracy	± (0.1%+0.05%I)			
Dynamic mode				
Full S/F	50u-500			
Min resolution	5uA			
Min. rise time	24μs	24μs	24μs	24μs
Load-back voltage				
Range	50V	100V	50V	100V
Resolution	0.2mV	2mV	0.2mV	2mV
Accuracy	±(0.05%+0.05%I)			
Load-back current				
Range	24A	240A	50A	500A
Resolution	0.3mA	3mA	0.7mA	7mA
Accuracy	±(0.05%+0.02%I)			
Load-back ripple				
Range (ΔI)	500m/240A	50V/500A	50V/240A	50V/500A
Bandwidth	50Hz-250kHz			
Accuracy	±1%			
Protection range				
Over-power protection	1000W		1000W	
Over-current protection	25A	250A	250A	250A
Over-voltage protection	120V	80V	120V	100V
Over-temperature protection	+85°C			
Specification				
Dimension (L*W*H)	634mm*483mm*177.8mm			
Gross weight	50kg			

Application



Order Model

Programmable DC Electronic Load — 4000V-6000V series	Programmable DC Electronic Load — 500V-1000V series	Programmable DC Electronic Load — 80V-100V series	High Power Programmable DC Electronic Load — 10kW-20kW Modular Series

Related Products

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- DC Resistance Tester
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- IPE Safety Tester/Spot Tester
- DC Power Supply
- DC Electronic Load
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Product Catalogue

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- DC Resistance Tester
- Insulation Tester
- IPE Safety Tester/Spot Tester
- DC Power Supply
- DC Electronic Load
- Custom Solution & System

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