

## MODEL 63202A-20-2000

### KEY FEATURES

- Voltage range: 0 ~ 20V
- Current range: 2,000A max.
- 2,000A@0.2V (typical) low voltage operating characteristics
- Output Low inductance copper bar design
- CC dynamic frequency up to 25kHz
- User defined waveform
- Low inductance cable (Option)
- Application: VRM, VRD, POL D2D and embedded D2D converters testing

## ULTRA-LOW VOLTAGE DC LOAD MODEL 63202A-20-2000

### CPU & GPU Vcore Power Supply Testing

The 63202A-20-2000 Ultra-Low Voltage DC Electronic Load is designed for testing VRM, VRD, POL Converter, and embedded D2D converters. These modules provide suitable supply voltage for the Central Processing Unit(CPU) and Graphics Processing Unit(GPU). The 63202A-20-2000 features outstanding low-voltage characteristics with a minimum operating voltage of 0.2V and a maximum rated current of 2,000A. It can load current even in the range below 0.2V to 0V (refer to the V-I curve in low-voltage operating characteristics).

The new generation of 63202A-20-2000 DC loads introduces a low-inductance copper bar design, reducing internal inductance and impedance, and enhancing response speed. It is suitable for applications in power supply products below 1.0V. The output copper bar includes additional porous locking attachment points, addressing convenience issues with attachments.



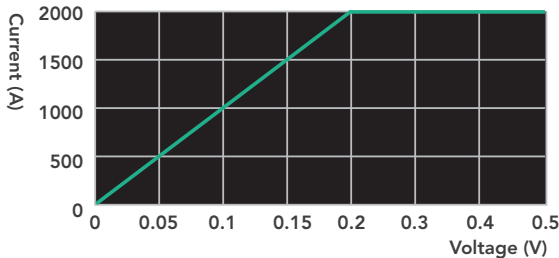
# SPECIFICATIONS

Models	63202A-20-2000		
Voltage*2	0-20V		
Current	0-500A	0-1,000A	0-2,000A
Power*3	0-2,000W		
<b>Static Mode</b>			
Min. Operating Voltage (DC)	0.05V @ 500A	0.1V @ 1,000A	0.2V @ 2,000A
<b>Constant Current Mode</b>			
Range	0-500A	0-1,000A	0-2,000A
Resolution	5mA	10mA	20mA
Accuracy*4	0.05%+0.05%F.S.		
<b>Constant Resistance Mode</b>			
Range	0.1mΩ-1Ω (4V/2kW) ; 6Ω-60Ω (10V/2kW) ; 0.05Ω-500Ω (20V/2kW)		
Resolution	20mA / Vsense		
Accuracy	Vin/Rset*(0.2%)+0.5% I.F.S.		
<b>Constant Voltage Mode</b>			
Range	0-4V	0-10V	0-20V
Resolution	0.07mV	0.18mV	0.35mV
Accuracy	0.025%+0.025%F.S.		
<b>Constant Power Mode</b>			
Range	0-500W	0-1,000W	0-2,000W
Resolution	5mW	20mW	50mW
Accuracy *5	0.2%+0.2%F.S.		
<b>Dynamic Mode</b>			
Slew Rate	15mA/μs-10A/μs	20mA/μs-10A/μs	20mA/μs-10A/μs
Resolution	5mA/μs	10mA/μs	10mA/μs
Accuracy	0.015%+0.015%F.S.		
<b>Others</b>			
Power Consumption	200VA (max.)		
Line Voltage	100-240 VAC / 47-63Hz		
Dimension (HxWxD)	132.5 x 428 x 647mm / 5.22 x 16.85 x 25.47 inchch		
Weight	40kg/88lbs		

1. The specifications are guaranteed to meet specified performance at temperature range of 25 ± 5°C.
2. If the operating voltage exceeds the rated voltage for 1.05 times, it would cause permanent damage to the device.
3. The power rating specifications at ambient temperature = 25°C.
4. If the operating current is below 0.2% of the low range, the accuracy specification is 0.1% F.S.
5. Power F.S. = Vrange F.S.x Irang F.S.

## Low Voltage Characteristics (Typical)

### Model 63202A-20-2000



Note: The specification was measured at load terminal of Constant Current Mode operation. (Ambient temperature of 25 °C)

## ORDERING INFORMATION

- \* 63202A-20-2000: Ultra Low Voltage DC Electronic Load 20V / 2,000A / 2kW
- \* Expected to be released in Q2/2024. Call for availability.



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