

3360 Series High Voltage DC Load

PRODIGIT
INSTRUMENT PROFESSIONAL
PRODIGIT ELECTRONICS CO., LTD.

3360 500V/ 20A/ 600W

3361 500V/ 40A/1200W

3362 500V /60A/1800W

3363 500V/ 80A/2400W

3364 500V/120A/3600W

3365 500V/120A/5400W



Features

- V, A, W value display
- GO/NG meter check
- 4 1/2 V/A/W meter
- GPIB/RS232 Interface, 150 sets Store/Recall Memory
- CC, CR, CV, CP, Dynamic and Short Mode
- Protections against V, I, W and °C
- Power Factor Correction (PFC) Test

Applications

- Voltage/Current source
- SMPS Transient Response
- Current limit testing and battery emulation
- Battery Charger
- Battery Discharge
- R&D, QC
- ATE System
- Production testing
- Power Factor Correction (PFC) Test

Descriptions

- 3360 Series High Voltage DC Load has its own control and display panel, CC/CR/CV/CP/Dynamic mode, 150 sets Store/Recall memory provides load set-up more efficiently.
- Short test function can measure Short Voltage and Current.
- Dynamic can be simulated under CC, CP mode. The current Rise/Fall slew rate can be adjusted individually and there is an external signal input so that load can have a simulated Arbitrary Waveform.
- Maximum Voltage up to 500V, provides an ideal testing solution for Power Factor Correction test.
- Programmable LOAD ON/OFF Voltage and GO/NG meter check and 150 sets Store/Recall Memory function is suitable for different kind of applications.

Specifications

MODEL		3360	3361	3362	3363	3364	3365
INPUT RATINGS							
POWER (Watt)		600 W	1200 W	1800 W	2400 W	3600 W	5400 W
CURRENT (Ampere)		20 A	40 A	60 A	80 A	120 A	120 A
VOLTAGE (Volt)		500 V	500 V	500 V	500 V	500 V	500 V
PROTECTIONS							
Over Power Protection (OPP)		≅ 630 W	≅ 1260 W	≅ 1890 W	≅ 2520 W	≅ 3780 W	≅ 5670 W
Over Current Protection (OCP)		≅ 21 A	≅ 42 A	≅ 63 A	≅ 84 A	≅ 126 A	≅ 126 A
Over Voltage Protection (OVP)		≅ 525.5 V	≅ 525.5 V	≅ 525.5 V	≅ 525.5 V	≅ 525.5 V	≅ 525.5 V
Over Temp. Protection (OTP)		≅ 85 °C	≅ 85 °C	≅ 85 °C	≅ 85 °C	≅ 85 °C	≅ 85 °C
CC MODE	RANGE	0 - 2 / 20 A	0 - 4 / 40 A	0 - 6 / 60 A	0 - 8 / 80 A	0 - 12 / 120 A	0 - 12 / 120 A
	RESOLUTION	0.534 mA / 5.334 mA	1.068 mA / 10.67 mA	1.6 mA / 16 mA	2.133 mA / 21.33 mA	3.2 mA / 32 mA	3.2 mA / 32 mA
	ACCURACY	± 0.5% OF (SETTING + RANGE)					
CR MODE	RANGE	1.334 - 25 - 18.75 KΩ	0.667 - 12.5 - 18.75 KΩ	0.444 - 8.333 - 18.75 KΩ	0.333 - 6.25 - 18.75 KΩ	0.222 - 4.166 - 15.625 KΩ	0.222 - 4.166 - 15.625 KΩ
	RESOLUTION	6.667 mΩ / 0.0106 mS	3.334 mΩ / 0.0213 mS	2.222 mΩ / 0.032 mS	1.667 mΩ / 0.0426 mS	1.111 mΩ / 0.064 mS	1.111 mΩ / 0.064 mS
	ACCURACY	± 0.5 % OF (SETTING + RANGE)					
CV MODE	RANGE	0 - 500 V					
	RESOLUTION	0.1333 V					
	ACCURACY	± 0.25 % OF (SETTING + RANGE)					
CP MODE	RANGE	0 - 600 W	0 - 1200 W	0 - 1800 W	0 - 2400 W	0 - 3600 W	0 - 5400 W
	RESOLUTION	0.16 W	0.32 W	0.48 W	0.64 W	0.96 W	1.44 W
	ACCURACY	± 0.5 % OF (SETTING + RANGE)					
4 1/2 DVM	RANGE	0 - 60.00 / 600.0 V					
	RESOLUTION	0.01 V / 0.1 V					
	ACCURACY	± 0.05 % OF (READING + RANGE)					
4 1/2 DAM	RANGE	0 - 2.000 / 20.00 A	0 - 4.000 / 40.00 A	0 - 6.000 / 60.00 A	0 - 8.000 / 80.00 A	0 - 12.000 / 120.00 A	0 - 12.000 / 120.00 A
	RESOLUTION	0.0001 A / 0.001 A	0.001 A / 0.01 A	0.001 A / 0.01 A	0.001 A / 0.01 A	0.001 A / 0.01 A	0.001 A / 0.01 A
	ACCURACY	± 0.2 % OF (READING + RANGE)					
Dynamic Operation	THIGH /TLOW	50 uS to 9.999 Sec					
	SLEW-RATE	1.6 mA - 0.1 A/uS 16 mA - 1 A/uS	3.2 mA - 0.2 A/uS 32 mA - 2 A/uS	4.8 mA - 0.3 A/uS 48 mA - 3 A/uS	6.4 mA - 0.4 A/uS 64 mA - 4 A/uS	9.6 mA - 0.6 A/uS 96 mA - 6 A/uS	9.6 mA - 0.6 A/uS 96 mA - 6 A/uS
	ACCURACY	± 10 % ± 10 uS					
Load ON Voltage		0.4 - 100 V, 1 % OF (Setting + Range)					
Load OFF Voltage		0 - 100 V, 0.05 % OF (Setting + Range)					
Maximum Short Resistance		0.25 Ω	0.125 Ω	0.0833 Ω	0.0625 Ω	0.416 Ω	0.0625 Ω

■ AC Power : 115V / 230 Vac ± 10%, 50/60Hz

■ Cooling : Advanced Fan cooled

■ Dimension : 600W~1800W→483Wx177Hx445Dmm

■ Weight : 600W→15.2kgs. : 1200W→19.4kgs.
1800W→23.6kgs. : 2400W→38.8kgs.
3600W→47.2kgs. : 5400W→70.8kgs.

Order Information

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