

3350 Series High Current DC Load

PRODIGIT
INSTRUMENT PROFESSIONAL
PRODIGIT ELECTRONICS CO., LTD.

3350 60V/120A/1200W

3351 60V/120A/1800W

3352 60V/240A/1200W

3353 60V/240A/1800W

3354 60V/360A/1800W



Features

- V, A, W value display simultaneously
- Large LCD Display, Knob to adjust setting value
- OCP, OPP test function
- 4 1/2 V/A/W meter
- GPIB/RS232 Interface, 150 sets Store/Recall Memory
- CC, CR, CV, CP, Dynamic and Short Mode
- Short time setting
- Protections against V, I, W and °C
- Voltage meter display ("+"), or ("-") is selectable

Applications

- Voltage/Current source
- SMPS Transient Response
- Current limit testing and battery emulation
- Battery Charger
- Battery Discharge
- R&D, QC
- ATE System
- Production testing

Descriptions

- 3350 Series High Current 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.
- OCP, OPP test function are more effective and accuracy on testing.
- Programmable LOAD ON/OFF Voltage and GO/NG meter check. Voltage meter display "+" or "-" is selectable and 150 sets Store/Recall Memory function is suitable for different kind of applications.

Specifications

MODEL		3350	3351	3352	3353	3354
INPUT RATINGS						
POWER (Watt)		1200 W	1800 W	1200 W	1800 W	1800 W
CURRENT (Ampere)		120 A	120 A	240 A	240 A	360 A
VOLTAGE (Volt)		60 V	60 V	60 V	60 V	60 V
PROTECTIONS						
Over Power Protection (OPP)		≅ 1260 W	≅ 1890 W	≅ 1260W	≅ 1890 W	≅ 1890 W
Over Current Protection (OCP)		≅ 126 A	≅ 126 A	≅ 252 A	≅ 252 A	≅ 378 A
Over Voltage Protection (OVP)		≅ 63 V	≅ 63 V	≅ 63 V	≅ 63 V	≅ 63 V
Over Temp. Protection (OTP)		≅ 85 °C	≅ 85 °C	≅ 85 °C	≅ 85 °C	≅ 85 °C
CC MODE	RANGE	0 - 12 A / 120 A	0 - 12 A / 120 A	0 - 24 A / 240 A	0 - 24 A / 240 A	0 - 36 A / 360 A
	RESOLUTION	3.2 mA / 32 mA	3.2 mA / 32 mA	6.4 mA / 64 mA	6.4 mA / 64 mA	9.6 mA / 96 mA
	ACCURACY	± 0.2% OF (SETTING + RANGE)				
CR MODE	RANGE	0.0266 Ω - 0.5 - 1875 Ω	0.0266 Ω - 0.5 - 1875 Ω	0.0133 Ω - 0.25 - 937.5 Ω	0.0133 Ω - 0.25 - 937.5 Ω	0.0088 Ω - 0.167 - 624.9 Ω
	RESOLUTION	0.133 mΩ / 0.533 mS	0.133 mΩ / 0.533 mS	0.066 mΩ / 1.066 mS	0.066 mΩ / 1.066 mS	0.044 mΩ / 1.6 mS
	ACCURACY	± 0.2 % OF (SETTING + RANGE)				
CV MODE	RANGE	0 - 60 V				
	RESOLUTION	0.016 mV				
	ACCURACY	± 0.1 % OF (SETTING + RANGE)				
CP MODE	RANGE	0 - 1200 W	0 - 1800 W	0 - 1200 W	0 - 1800 W	0 - 1800 W
	RESOLUTION	0.32 W	0.48 W	0.32 W	0.48 W	0.48 W
	ACCURACY	± 0.5 % OF (SETTING + RANGE)				
4 1/2 DVM	RANGE	0 - 20.00 / 60.00 V				
	RESOLUTION	0.001 V / 0.01V				
	ACCURACY	± 0.05 % OF (READING + RANGE)				
4 1/2 DAM	RANGE	0 - 12.000 / 120.00 A	0 - 12.000 / 120.00 A	0 - 24.00 / 240.0 A	0 - 24.00 / 240.0 A	0 - 36.00 / 360.0 A
	RESOLUTION	0.001 A / 0.01 A	0.001 A / 0.01 A	0.01 A / 0.1 A	0.01 A / 0.1 A	0.01 A / 0.1 A
	ACCURACY	± 0.2 % OF (READING + RANGE)				
Dynamic Operation	THIGH /TLOW	50 uS to 9.999 Sec				
	SLEW-RATE	8 mA - 0.5 A/uS 80 mA - 5 A/uS	8 mA - 0.5 A/uS 80 mA - 5 A/uS	16 mA - 1 A/uS 160 mA - 10 A/uS	16 mA - 1 A/uS 160 mA - 10 A/uS	24 mA - 1.5 A/uS 240 mA - 15 A/uS
	ACCURACY	± 10% ± 10uS				
Load ON Voltage		0.1 - 25V, 1 % Of (Setting + Range)				
Load OFF Voltage		0 - 25V, 0.05 % Of (Setting + Range)				
Maximum Short Resistance		0.003 Ω	0.002 Ω	0.002 Ω	0.002 Ω	0.001 Ω
Imonitor (Isolated)		12 A / V	12 A / V	24 A / V	24 A / V	36 A / V

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

■ Cooling : Advanced Fan cooled

■ Dimension : 483W x 177H x 445Dmm

■ Weight : 1200W/1800W : 19.4kgs. / 23.6kgs.

Order Information

3350 60V , 120A , 1200W

3351 60V , 120A , 1800W

3352 60V , 240A , 1200W

3353 60V , 240A , 1800W

3354 60V , 360A , 1800W