

# 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                       |
|-------------------------------|-------------|--------------------------------------|-------------------------|---------------------------|---------------------------|----------------------------|
| <b>INPUT RATINGS</b>          |             |                                      |                         |                           |                           |                            |
| 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                       |
| <b>PROTECTIONS</b>            |             |                                      |                         |                           |                           |                            |
| 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                      | 8 mA - 0.5 A/uS         | 16 mA - 1 A/uS            | 16 mA - 1 A/uS            | 24 mA - 1.5 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

■ Dimension : 483W x 177H x 445Dmm

■ Cooling : Advanced Fan cooled

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

## Order Information

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