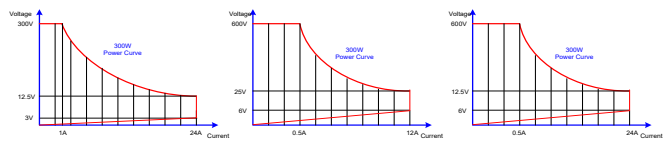
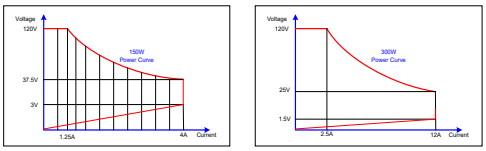
## SPECIFICATIONS

| MODEL | 3341G | | 3342G | | 3343G | | 3345G | | 3346G | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Power** | 300 W | | 300 W | | 300 W | | 150 W | | 300 W | |
| **Current** | 0 A to 6 A | 0 A to 24 A | 0 A to 3 A | 0 A to 12 A | 0 A to 6 A | 0 A to 24 A | 0 A to 1.2 A | 0 A to 4 A | 0 A to 3 A | 0 A to 12 A |
| **Voltage** | 0 V to 300 V | | 0 V to 600 V | | 0 V to 600 V | | 0 V to 120 V | | 0 V to 120 V | |
| **Min. Operating Voltage** | 3 V @ 24 A | | 6 V @12 A | | 6 V @ 24 A | | 3 V @ 4 A | | 1.5 V @ 12 A | |
| **Constant Current Mode** | | | | | | | | | | |
| **Range** [*1] | 0 A to 6 A | 0 A to 24 A | 0 A to 3 A | 0 A to 12 A | 0 A to 6 A | 0 A to 24 A | 0 A to 1.2 A | 0 A to 4 A | 0 A to 3 A | 0 A to 12 A |
| **Resolution** | 0.1 mA | 0.4 mA | 0.05 mA | 0.2 mA | 0.1 mA | 0.4 mA | 0.02 mA | 0.08 mA | 0.05 mA | 0.2 mA |
| **Accuracy** | ± 0.1 % OF(SETTING + RANGE) | | | | | | | | | |
| **Constant Resistance Mode** | | | | | | | | | | |
| **Range** | CRL:0.125 Ω to 1.5 KΩ(150 V) | CRH:0.25 Ω to 3 KΩ(300 V) | CRL:0.5 Ω to 1.5 KΩ(300 V) | CRH:1 Ω to 3 KΩ(600 V) | CRL:0.25 Ω to 3 KΩ(300 V) | CRH:0.5 Ω to 6 KΩ(600 V) | CRL:0.75 Ω to 750 Ω(60 V) | CRH:1.5 Ω to 1.5 KΩ(120 V) | CRL:0.1 Ω to 1.2 KΩ(60 V) | CRH:0.2 Ω to 2.4 KΩ(120 V) |
| **Resolution** [*4] | 133.333 uS | 66.666 uS | 33.333 uS | 16.666 uS | 66.666 uS | 33.333 uS | 66.666 uS | 33.333 uS | 166.66 uS | 83.333 uS |
| **Accuracy** | ± 0.2 % OF (SETTING + RANGE) | | | | | | | | | |
| **Constant Voltage Mode** | | | | | | | | | | |
| **Range** | 30 V/150 V/300 V | | 60 V/300 V/600 V | | 60 V/300 V/600 V | | 30 V/60 V/120 V | | 12 V/60 V/120 V | |
| **Resolution** | 0.0005 V/0.0025 V/0.005 V | | 0.001 V/0.005 V/0.01 V | | 0.001 V/0.005 V/0.01 V | | 0.0005 V/0.001 V/0.002 V | | 0.0002 V / 0.001 V / 0.002 V | |
| **Accuracy** | ± 0.05 % OF (SETTING + RANGE) | | | | | | | | | |
| **Constant Power Mode** | | | | | | | | | | |
| **Range** | 0 W to 300 W | | 0 W to 300 W | | 0 W to 300 W | | 0 W to 300 W | | 0 W to 300 W | |
| **Resolution** | 0.005 W | | 0.005 W | | 0.005 W | | 0.005 W | | 0.005 W | |
| **Accuracy** | ± 0.5 % OF (SETTING + RANGE) | | | | | | | | | |
| **LED Mode** | | | | | | | | | | |
| **Vo Voltage Range** | LEDL:30 V / LEDM:150 V / LEDH:300 V | | LEDL:60 V / LEDM:300 V / LEDH:600 V | | LEDL:60 V / LEDM:300 V / LEDH:600 V | | LEDL:30 V / LEDM:60 V / LEDH:120 V | | LEDL:12 V / LEDM:60 V / LEDH:120 V | |
| **Rd Resistance Range** | LEDL : 0.125 Ω to 125 Ω @ Vo-Vd = 0 V to 3 V<br>LEDL : 1.25 Ω to 1.25 KΩ @ Vo-Vd = 3 V to 30 V<br>LEDM: 0.625 Ω to 625 Ω @ Vo-Vd = 0 V to 15 V<br>LEDM: 6.25 Ω to 6.25 KΩ @ Vo-Vd = 15 V to 150 V<br>LEDH: 1.25 Ω to 1.25 KΩ @ Vo-Vd = 0 V to 30 V<br>LEDH: 12.5 Ω to 12.5 KΩ @ Vo-Vd = 30 V to 300 V | | LEDL : 0.5 Ω to 100 Ω @ Vo-Vd = 0 V to 6 V<br>LEDL : 5 Ω to 1 KΩ @ Vo-Vd = 6 V to 60 V<br>LEDM: 2.5 Ω to 500 Ω @ Vo-Vd = 0 V to 30 V<br>LEDM: 25 Ω to 5 KΩ @ Vo-Vd = 30 V to 300 V<br>LEDH: 5 Ω to 1 KΩ @ Vo-Vd = 0 V to 60 V<br>LEDH: 50 Ω to 10 KΩ @ Vo-Vd = 60 V to 600 V | | LEDL : 0.25 Ω to 125 Ω @ Vo-Vd = 0 V to 6 V<br>LEDL : 2.5 Ω to 1.25 KΩ @ Vo-Vd = 6 V to 60 V<br>LEDM: 1.25 Ω to 625 Ω @ Vo-Vd = 0 V to 30 V<br>LEDM: 12.5 Ω to 6.25 KΩ @ Vo-Vd = 30 V to 300 V<br>LEDH: 2.5 Ω to 1.25 KΩ @ Vo-Vd = 0 V to 60 V<br>LEDH: 25 Ω to 12.5 KΩ @ Vo-Vd = 60 V to 600 V | | LEDL :0.625 Ω to 0.75 KΩ @ Vo-Vd = 0 V to 3 V<br>LEDL : 6.25 Ω to 7.5 KΩ @ Vo-Vd = 3 V to 30 V<br>LEDM: 1.25 Ω to 1.5 KΩ @ Vo-Vd = 0 V to 6 V<br>LEDM: 12.5 Ω to 15 KΩ @ Vo-Vd = 6 V to 60 V<br>LEDH: 2.5 Ω to 3 KΩ @ Vo-Vd = 0 V to 12 V<br>LEDH: 25 Ω to 30 KΩ @ Vo-Vd = 12 V to 120 V | | LEDL : 0.1 Ω to 120 Ω @ Vo-Vd = 0 V to 1.2 V<br>LEDL : 1 Ω to 1.2 KΩ @ Vo-Vd = 1.2 V to 12 V<br>LEDM: 0.5 Ω to 600 Ω @ Vo-Vd = 0 V to 12 V<br>LEDM: 5 Ω to 6 KΩ @ Vo-Vd = 12 V to 60 V<br>LEDH: 1 Ω to 1.2 KΩ @ Vo-Vd = 0 V to 60 V<br>LEDH: 10 Ω to 12 KΩ @ Vo-Vd = 60 V to 120 V | |
| **Resolution** | 16 Bits | | | | | | | | | |
| **Accuracy** | Vd : ± (0.05 % OF SETTING + 0.1 % OF RANGE), Rd : ± (0.05 % OF SETTING + 0.1 % OF RANGE) | | | | | | | | | |
| **Dynamic Mode** | | | | | | | | | | |
| **Timing** | | | | | | | | | | |
| **THIGH & TLOW** | 0.050 ms to 9.999 ms / 99.99 ms/ 999.9 ms/ 9999 mS | | | | | | | | | |
| **Resolution** | 0.001 ms/ 0.01 ms/ 0.1 ms/ 1 mS | | | | | | | | | |
| **Accuracy** | 1 µs/10 µs/100 µs/1 ms + 50 ppm | | | | | | | | | |
| **Slew Rate** | 4.8 mA /µs to 300 mA/µs | 19.2 mA/µs to 1200 mA/µs | 2.4 mA/µs to 150 mA/µs | 9.6 mA/µs to 600 mA/µs | 4.8 mA/µs to 300 mA/µs | 19.2 mA/µs to 1200 mA/µs | 0.96 mA/µs to 60 mA/µs | 3.84 mA/µs to 240 mA/µs | 2.4 mA/µs to 150 mA/µs | 9.6 mA/µs to 600 mA/µs |
| **Resolution** | 1.2 mA/µs | 4.8 mA/µs | 0.6 mA/µs | 2.4 mA/µs | 1.2 mA/µs | 4.8 mA/µs | 0.24 mA/µs | 0.96 mA/µs | 0.6 mA/µs | 2.4 mA/µs |
| **Accuracy** | ± (5 % OF SETTING)±10 µs | | | | | | | | | |
| **Min. Rise Time** | 20 µs (Typical) | | 20 µs (Typical) | | 20 µs (Typical) | | 20 µs (Typical) | | 20 µs (Typical) | |
| **Current** | | | | | | | | | | |
| **Range** | 0 A to 6 A | 0 A to 24 A | 0 A to 3 A | 0 A to 12 A | 0 A to 6 A | 0 A to 24 A | 0 A to 1.2 A | 0 A to 4 A | 0 A to 3 A | 0 A to 12 A |
| **Resolution** | 0.1 mA | 0.4 mA | 0.05 mA | 0.2 mA | 0.1 mA | 0.4 mA | 0.02 mA | 0.08 mA | 0.05 mA | 0.2 mA |
| **Accuracy** | ± 0.1 % OF(SETTING + RANGE) | | | | | | | | | |
| **Measturement** | | | | | | | | | | |
| **Voltage Read Back** | | | | | | | | | | |
| **Range** | 30 V/150 V/300 V | | 60 V/300 V/600 V | | 60 V/300 V/600 V | | 30 V/60 V/120 V | | 12 V/60 V/120 V | |
| **Resolution** | 0.5 mV/2.5 mV/5 mV | | 1 mV/5 mV/10 mV | | 1 mV/5 mV/10 mV | | 0.5 mV/1 mV/2 mV | | 0.2 mV/1 mV/2 mV | |
| **Accuracy** | ± 0.025 % OF (READING + RANGE) | | | | | | | | | |
| **Current Read Back** | | | | | | | | | | |
| **Range** | 6 A | 24 A | 3 A | 12 A | 6 A | 24 A | 1.2 A | 4 A | 3 A | 12 A |
| **Resolution** | 0.1 mA | 0.4 mA | 0.05 mA | 0.2 mA | 0.1 mA | 0.4 mA | 0.02 mA | 0.08 mA | 0.05 mA | 0.2 mA |
| **Accuracy** | ± 0.1 % OF (READING + RANGE) | | | | | | | | | |
| **Power Read Back** | | | | | | | | | | |
| **Range** | 300 W | | 300 W | | 300 W | | 150 W | | 300 W | |
| **Accuracy** [*2] | ± 0.1 % OF (READING + RANGE) | | | | | | | | | |
| **Gernaral** | | | | | | | | | | |
| **Imonitor** | 2.4 A/V | | 1.2 A/V | | 2.4 A/V | | 0.4 A/V | | 1.2 A/V | |
| **Accuracy** | ± 0.5 % OF (READING + RANGE) | | | | | | | | | |
| **Short Signal Output** | 12 V/100 mAmax | | 12 V/100 mAmax | | 12 V/100 mAmax | | 12 V/100 mAmax | | 12 V/100 mAmax | |
| **Dimming Control** | | | | | | | | | | |
| **Level Range** | 0 V to 12 V | | | | | | | | | |
| **Resolution** | 0.048 V | | | | | | | | | |
| **Accuracy** | 1 % OF (SETTING + RANGE) | | | | | | | | | |
| **Frequency Range** | DC to 1 KHz | | | | | | DC to 10 KHz | | DC to 1 KHz | |
| **Resolution** | 10 Hz | | | | | | 100 Hz | | 10 Hz | |
| **Duty Range** | 0.01 to 0.99(1 % to 99 %) | | | | | | 0.01 to 0.99(1 % to 99 %) | | 0.01 to 0.99(1 % to 99 %) | |
| **Resolution** | 0.01 | | | | | | 0.1 | | 0.01 | |
| **Temperature Coefficient** | 100 ppm/°C(typical) | | | | | | | | | |
| **Power** | Supply from mainframe | | | | | | | | | |
| **Operating Temperature** [*3] | 0 °C to 40 °C | | | | | | | | | |
| **Dimension(HxWxD)** | 143 mm x 108 mm x 405 mm | | | | | | | | | |
| **Weight** | 3.5 Kg | | 3.5 Kg | | 3.5 Kg | | 3.5 Kg | | 3.5 Kg | |
| **Safety & EMC** | CE | | | | | | | | | |

**Note [*1] : The range is automatically or forcing to range II only in CC mode**
**Note [*2] : Power F.S. = Vrange F.S. x Irange F.S.**
**Note [*3] : Operating temperature range is 0 °C to 40 °C, All specifications apply for 25 °C±5 °C, Except as noted**
**Note [*4] : µS (microsiemens) is the unit of conductance(G), one siemens equal to 1/Ω**




**All specifications are subject to change without notice.**