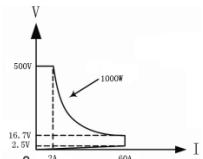
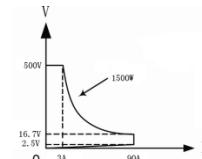
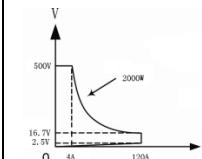
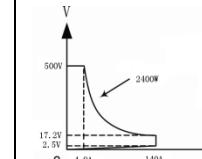
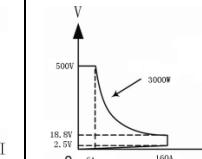
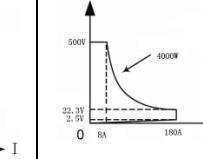
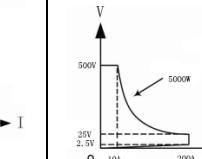


## Specifications

<b>Model</b>	3760A	3761A	3762A	3763A	3764A	3765A	3766A
Current	0~60A	0~90A	0~120A	0~140A	0~160A	0~180A	0~200A
Voltage	0~500V	0~500V	0~500V	0~500V	0~500V	0~500V	0~500V
Power *1	1000W at 40°C	1500W at 40°C	2000W at 40°C	2400W at 40°C	3000W at 40°C	4000W at 40°C	5000W at 40°C
Input Characteristics							
<b>Constant Current Mode</b>							
Low Range	0~6A	0~6A	0~6A	0~6A	0~8A	0~8A	0~8A
Resolution	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA
Accuracy	0.2%+5mA	0.2%+5mA	0.2%+5mA	0.2%+5mA	0.2%+5mA	0.2%+5mA	0.2%+5mA
High Range	0~60A	0~90A	0~120A	0~140A	0~160A	0~180A	0~200A
Resolution	1mA (0~60A)	1mA (0~90A)	1mA (0~75A)	1mA (0~100A)	1mA (0~100A)	1mA (0~100A)	1mA (0~100A)
Accuracy	0.2%+10mA	0.2%+10mA	0.2%+10mA	0.2%+10mA	0.2%+10mA	0.2%+10mA	0.2%+10mA

**tel./fax: +48 58 322 11 91**  
**e-mail: biall@biall.com.pl**  
**<http://www.biall.com.pl>**

**BIALL Sp. z o.o.**  
**ul. Barniewicka 54c**  
**PL 80-299 GDAŃSK**



<b>Constant Voltage Mode</b>							
Range	0~500V						
Resolution	1mV (0~100V) 10mV (100~500V)						
Accuracy	0. 2%+10mV						
<b>Constant Resistance Mode</b>							
Low Range	0.02Ω~2. 4MΩ						
Resolution	0. 1m Ω						
Accuracy @I>6A	0. 5%+12m Ω						
High Range	0.2KΩ~240K						
Resolution	0. 001K Ω						
Accuracy @I<6A	0. 5%+0. 12K Ω						
<b>Constant Power Mode</b>							
Range	0~1000W	0~1500W	0~2000W	0~2400W	0~3000W	0~4000W	0~5000W
Resolution @P <	1mW						

tel./fax: +48 58 322 11 91  
e-mail: biall@biall.com.pl  
<http://www.biall.com.pl>

**BIALL Sp. z o.o.**  
ul. Barniewicka 54c  
PL 80-299 GDAŃSK



100W	10mW						
@P≥100W	100mW						
@P≥1000W	0. 2%+600mW						
Accuracy							
<b>Current Measurement</b>							
Low Range	0~6A	0~6A	0~6A	0~6A	0~8A	0~8A	0~8A
Resolution	0. 1mA						
Accuracy	0. 1%+6mA+Vin/50KΩ						
High Range	0~60A 1mA (0~60A)	0~90A 1mA (0~90A)	0~120A 1mA (0~120A)	0~140A 1mA (0~100A)	0~160A 1mA (0~100A)	0~180A 1mA (0~100A)	0~200A 1mA (0~100A)
Resolution	± (0.2%+8 mA)						
Accuracy	+Vin/50KΩ						
<b>Voltage Measurement</b>							
Range	0~500V						
Resolution	1mV (0~100V) 10mV (100~500V)						

tel./fax: +48 58 322 11 91  
e-mail: biall@biall.com.pl  
<http://www.biall.com.pl>

**BIALL Sp. z o.o.**  
ul. Barniewicka 54c  
PL 80-299 GDAŃSK



Accuracy	0. 1%+20mV						
<b>Power Measurement</b>							
Range	0~1000W	0~1500W	0~2000W	0~2400W	0~3000W	0~4000W	0~5000W
Resolution	1mW						
@P<100W	10mW						
@P≥100W	100mW						
@P≥1000W	0. 2%+600mW						
Accuracy	<b>Current Slew Rate</b>						
Range <sup>*3</sup>	1mA/us~6A/us	1mA/us~9A/us	1mA/us~10A/us	1mA/us~10A/us	1mA/us~12A/us	1mA/us~15A/us	1mA/us~15A/us
CCH	100uA/us~600mA/us						
CCL <sup>*2</sup>							
Resolution <sup>*4</sup>	1mA/us						
Accuracy	3% + 10us						
<b>Transient Operation</b>							
Transient Mode	Continuous, Pulse, Toggled						

tel./fax: +48 58 322 11 91  
e-mail: biall@biall.com.pl  
<http://www.biall.com.pl>

**BIALL Sp. z o.o.**  
ul. Barniewicka 54c  
PL 80-299 GDAŃSK



Frequency Rang	0. 025Hz~50kHz						
High/Low Level Time	10us~10s 10us						
Resolution Accuracy	0. 2%+10us						
raise/ falling edge Resolution Accuracy	10us~10s 10us 0. 2%+10us						
<b>List Operation</b>							
Step Time	10us~99999s 10us 0. 2%+10us						
Resolution							
Accuracy							
Number of Steps	1~50 Steps	1~50 Steps	1~50 Steps	1~50 Steps	1~50 Steps	1~50 Steps	1~50 Steps
Cycle	1~255	1~255	1~255	1~255	1~255	1~255	1~255
Store Capacity	10 Groupsd						
Expansion Function	Chain						
<b>Maximum Slew Rate</b>							
Current	6A/us	9A/us	10A/us	10A/us	12A/us	15A/us	15A/us

tel./fax: +48 58 322 11 91  
e-mail: biall@biall.com.pl  
<http://www.biall.com.pl>

**BIALL Sp. z o.o.**  
ul. Barniewicka 54c  
PL 80-299 GDAŃSK



Voltage	0.5V/us	0.6V/us	0.5V/us	0.6V/us	0.6V/us	0.6V/us	0.6V/us
Programmable Open Circuit	$\geq 20k\Omega$						
<b>Trigger Input</b>							
Trigger Level	TTL falling edge						
Trigger Pulse Width	$\geq 10\mu s$						
<b>Maximum DC Input</b>							
Current	61A	91A	121A	141A	161A	181A	201A
Voltage	502V						
Protection and Alarm Function	OC, OT, OP						
Alarm Function	OV, RV						
<b>Reverse Current Capacity</b>							
Input OFF	50A	80A	100A	120A	150A	160A	160A
Input ON	60A	90A	120A	140A	160A	180A	200A
<b>Ripple &amp; Noise</b>							
Current (rms/p-p)	3mA/30mA	3mA/30mA	3mA/30mA	3mA/30mA	5mA/30mA	8mA/30mA	8mA/30mA
Voltage (rms)	5mV						
<b>Environmental Conditions</b>							

tel./fax: +48 58 322 11 91  
e-mail: biall@biall.com.pl  
<http://www.biall.com.pl>

**BIALL Sp. z o.o.**  
ul. Barniewicka 54c  
PL 80-299 GDAŃSK



Temperature <sup>*1</sup>	0~40°C						
Relative Humidity	≤85%	≤85%	≤85%	≤85%	≤85%	≤85%	≤85%
Remote Interface <sup>*5</sup>	RS232, GPIB, USB						
Programmable Language	SCPI						
<b>AC Input</b>							
Voltage	(AC110V、AC120V、AC220V、AC240V) ±10%						
Frequency	48 to 63Hz						
Input Power	80VA	80VA	80VA	80VA	130VA	130VA	130VA
<b>Outline Dimension</b>							
Net Weight	24kg	24kg	26.5kg	26.5kg	38kg	42kg	45kg
Frame	Fig1	Fig 1	Fig 1	Fig 1	Fig 2	Fig 2	Fig 2

tel./fax: +48 58 322 11 91  
e-mail: [biall@biall.com.pl](mailto:biall@biall.com.pl)  
<http://www.biall.com.pl>

**BIALL Sp. z o.o.**  
ul. Barniewicka 54c  
PL 80-299 GDAŃSK



\*1. The maximum continuous input power can reach the rated power at 40°C; the maximum continuous input power will linearly decrease from 100% to 75% between 40°C to 50°C.

\*2. The current change rate is 600mA/us in CCL mode.

\*3. The transition time is defined as the time required for the input to change from 10% to 90%.

\*4. The transient frequency depends on the high/low level time and the time for rising/falling edge.

\*5. Standard equipped RS232 and USB cable, optional equipped GPIB card.

---

tel./fax: +48 58 322 11 91  
e-mail: [biall@biall.com.pl](mailto:biall@biall.com.pl)  
<http://www.biall.com.pl>

**BIALL Sp. z o.o.**  
ul. Barniewicka 54c  
PL 80-299 GDAŃSK

