



# **Wisdom (Guangzhou) Electronics Co.,Ltd. Product Catalog**

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# 1. IPL Power Supply

## 1.1 Product Information

Charging voltage adjustable.

Strong IGBT discharge circuit.

High working frequency and protection circuit make product efficient and stable.

Pre-ignition circuit make lamp longer lifetime.

Drive circuit independent design, simple wiring, safe and convenient.

Can be customized AC 220V input or AC 110V input.

CE, RoHS, ISO9001 certification.

## 1.2 Power Supply Selection Table

Model	Input Voltage AC (V)	Max. Output Power (W)	Max. Output Voltage (V)	Output Peak Current (based on lamp) (A)	Output Repeat Frequency (Hz)	Product Case	Pre-ignition Circuit
IPL-G-S800I / IPL-W-S800I	220 / 110	800	400 ①	250~500	1~6	-	•
IPL-GKS800I / IPL-WKS800I	220 / 110	800	400 ①	250~500	1~6	•	•
IPL-G-S1200I / IPL-W-S1200I	220 / 110	1200	400 ①	250~500	1~6	-	•
IPL-G-S1200I-A / IPL-W-S1200I-A	220 / 110	1200	400 ①	250~500	1~6	-	•
IPL-GKS1200I / IPL-WKS1200I	220 / 110	1200	400 ①	250~500	1~6	•	•
IPL-GKS1200I-A / IPL-WKS1200I-A	220 / 110	1200	400 ①	250~500	1~6	•	•
IPL-GKS1500I / IPL-WKS1500I	220 / 110	1500	400 ①	250~500	1~8	•	•
IPL-GKS1500I-A / IPL-WKS1500I-A	220 / 110	1500	400 ①	250~500	1~8	•	•
IPL-GKS2000I / IPL-WKS2000I	220 / 110	2000	400 ①	250~500	1~10	•	•
IPL-GKS2000I-A / IPL-WKS2000I-A	220 / 110	2000	400 ①	250~500	1~10	•	•
IPL-GKS2000III-A / IPL-WKS2000III-A	220 / 110	2000	660 ②	250~500	1~10	•	•
IPL-GKS2400I / IPL-WKS2400I	220 / 110	2400	400 ①	250~500	1~10	•	•
IPL-GKS2400I-A / IPL-WKS2400I-A	220 / 110	2400	400 ①	250~500	1~10	•	•
IPL-GKS2400III-A / IPL-WKS2400III-A	220 / 110	2400	660 ②	250~500	1~10	•	•

Note: ① For arc length at 40-50mm, Max. voltage cannot exceed 350V.

② Only for 2 lamp series connection.



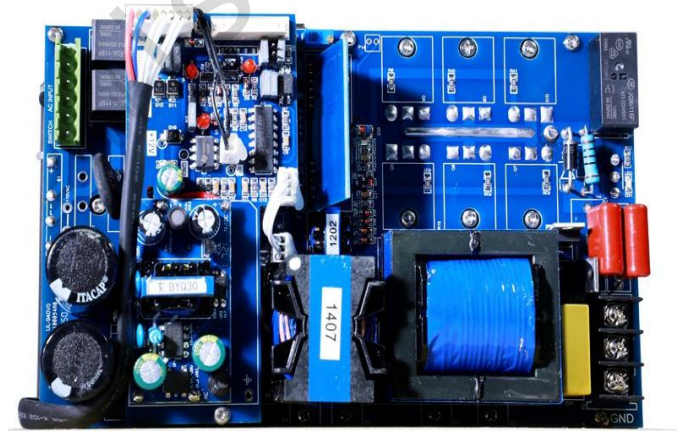
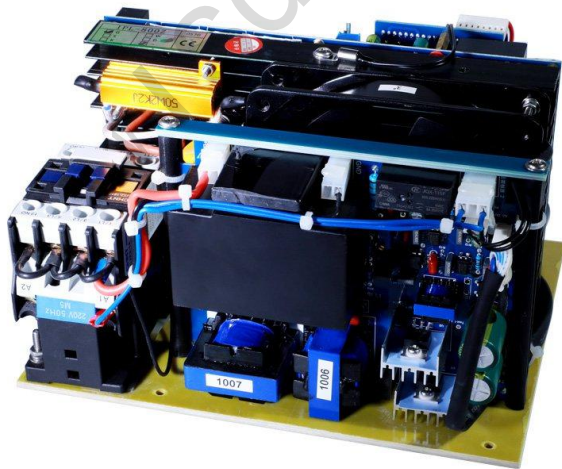
IPL power supply patent number and certification number:

- (1) Pre-ignition Circuit for xenon lamp: ZL 2015 2 0465584.X
- (2) CE: BSTDG190111169201EC  
BSTDG190111169201SC  
BSTXD190612868001EC  
BSTXD190612868001SC
- (3) RoHS: BSTDG190111169202CC



### 1.3 800W-400V IPL Caseless Power Supply

Model: IPL-G-S800I / IPL-W-S800I



- Features:
1. Full-Bridge charging circuit;
  2. Patented pre-ignition circuit brings super stability;
  3. Using Non-integrated IGBT module to meet performance and price requirements;
  4. Less weight.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	DC 200~400V
Output peak current (based on lamp)	250~500A
Output power	MAX. 800W
Output frequency	1~6Hz
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Voltage protection, Temperature protection
Dimension(L*W*H)	210*170*132mm
Weight	2.4kg

Link: <https://www.iplpowersupply.com/product/79.html>



## 1.4 800W-400V IPL Power Supply

Model: IPL-GKS800I / IPL-WKS800I



- Features:
1. Full-Bridge charging circuit;
  2. Patented pre-ignition circuit brings super stability;
  3. Using Non-integrated IGBT module to meet performance and price requirements.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	DC 200~400V
Output peak current (based on lamp)	250~500A
Output power	MAX. 800W
Output frequency	1~6Hz
Working surroundings temperature	-20~50°C
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65°C
Cooling method	Air cooling
Circuit protection	Voltage protection, Temperature protection
Dimension(L*W*H)	284*170*137mm
Weight	3.9kg

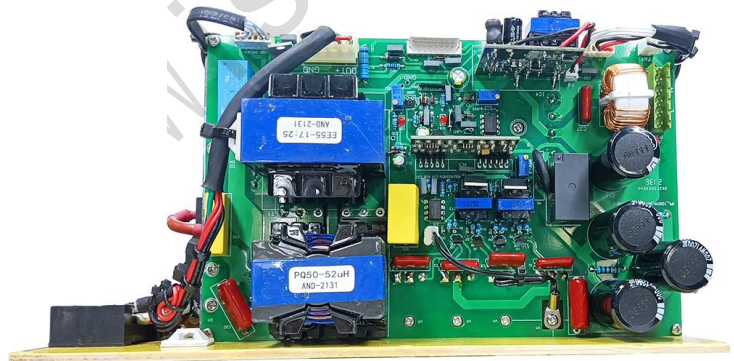
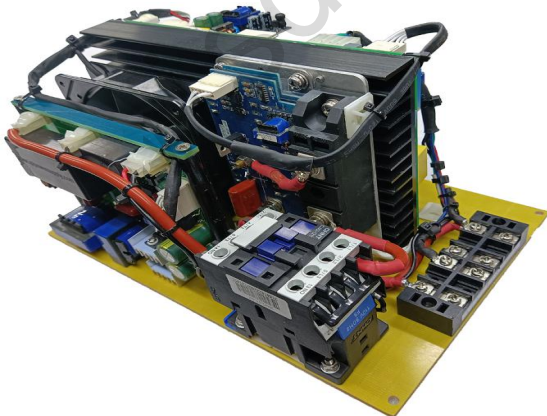
Link: <https://www.iplpowersupply.com/product/76.html>





## 1.5 1200W-400V IPL Caseless Power Supply

Model: IPL-G-S1200I / IPL-W-S1200I



- Features:
1. Full-Bridge charging circuit;
  2. Patented pre-ignition circuit brings super stability;
  3. Using Non-integrated IGBT module to meet performance and price requirements.

Description:

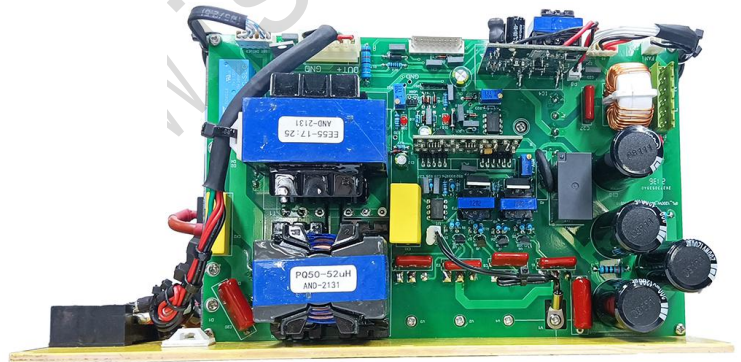
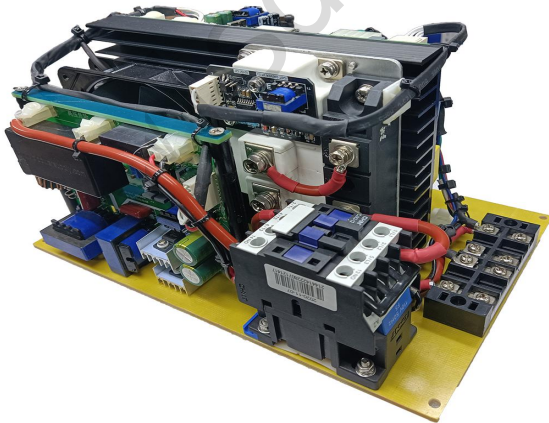
Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	DC 200~400V
Output peak current (based on lamp)	250~500A
Output power	MAX. 1200W
Output frequency	1~6Hz
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Voltage protection, Temperature protection
Dimension(L*W*H)	277.5*183*144mm
Weight	3.84kg

Link: <https://www.iplpowersupply.com/product/77.html>



## 1.6 1200W-400V IPL Caseless Power Supply (A)

Model: IPL-G-S1200I-A / IPL-W-S1200I-A



- Features:
1. Full-Bridge charging circuit;
  2. Patented pre-ignition circuit brings super stability;
  3. Using integrated IGBT module, better compatibility with xenon lamps with arc length less than 50mm.

Description:

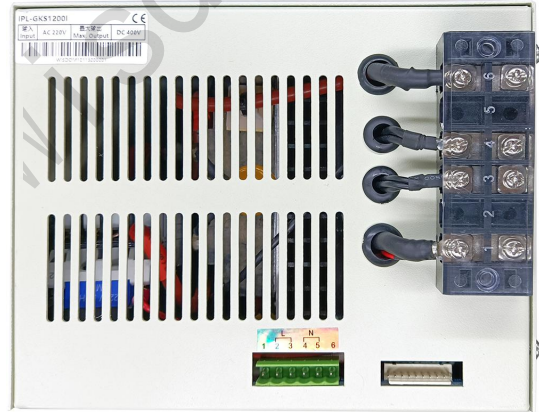
Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	DC 200~400V
Output peak current (based on lamp)	250~500A
Output power	MAX. 1200W
Output frequency	1~6Hz
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Voltage protection, Temperature protection
Dimension(L*W*H)	277.5*183*144mm
Weight	3.84kg

Link: <https://www.iplpowersupply.com/product/295.html>



## 1.7 1200W-400V IPL Power Supply

Model: IPL-GKS1200I / IPL-WKS1200I



- Features:
1. Full-Bridge charging circuit;
  2. Patented pre-ignition circuit brings super stability;
  3. Using Non-integrated IGBT module to meet performance and price requirements.

### Description:

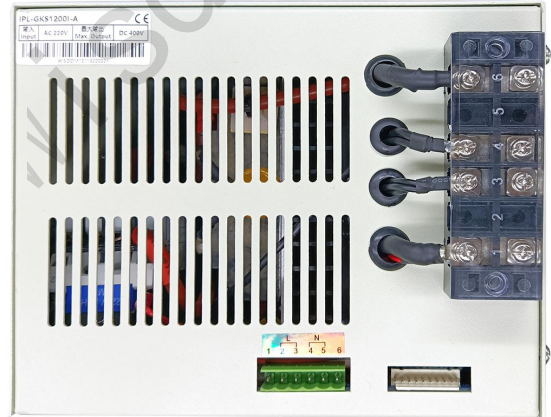
Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	DC 200~400V
Output peak current (based on lamp)	250~500A
Output power	MAX. 1200W
Output frequency	1~6Hz
Working surroundings temperature	-20~50°C
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65°C
Cooling method	Air cooling
Circuit protection	Voltage protection, Temperature protection
Dimension(L*W*H)	298.5*195*153.7mm
Weight	5.76kg

Link: <https://www.iplpowersupply.com/product/78.html>



## 1.8 1200W-400V IPL Power Supply (A)

Model: IPL-GKS1200I-A / IPL-WKS1200I-A



- Features:
1. Full-Bridge charging circuit;
  2. Patented pre-ignition circuit brings super stability;
  3. Using integrated IGBT module, better compatibility with xenon lamps with arc length less than 50mm.

### Description:

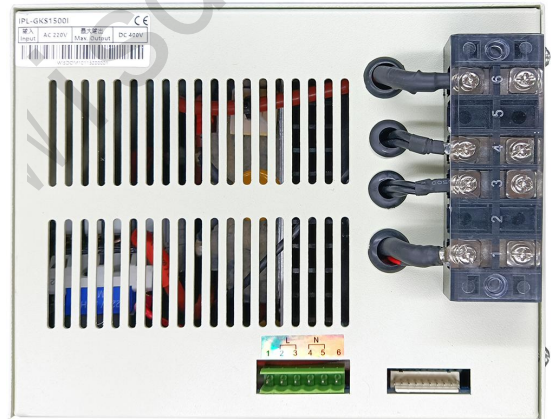
Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	DC 200~400V
Output peak current (based on lamp)	250~500A
Output power	MAX. 1200W
Output frequency	1~6Hz
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Voltage protection, Temperature protection
Dimension(L*W*H)	298.5*195*153.7mm
Weight	5.76kg

Link: <https://www.iplpowersupply.com/product/298.html>



## 1.9 1500W-400V IPL Power Supply

Model: IPL-GKS1500I / IPL-WKS1500I



- Features:
1. Full-Bridge charging circuit;
  2. Patented pre-ignition circuit brings super stability;
  3. Using Non-integrated IGBT module to meet performance and price requirements.

### Description:

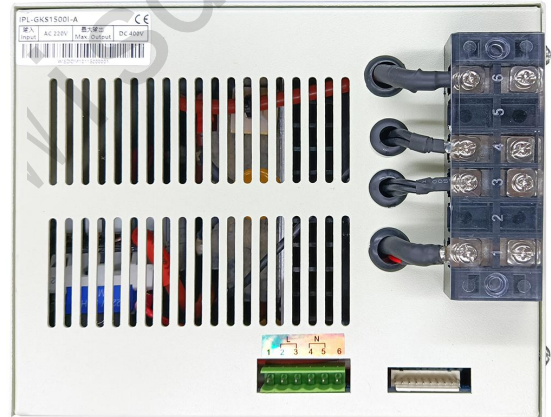
Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	DC 200~400V
Output peak current (based on lamp)	250~500A
Output power	MAX. 1500W
Output frequency	1~8Hz
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Voltage protection, Temperature protection
Dimension(L*W*H)	298.5*195*153.7mm
Weight	5.76kg

Link: <https://www.iplpowersupply.com/product/296.html>



## 1.10 1500W-400V IPL Power Supply (A)

Model: IPL-GKS1500I-A / IPL-WKS1500I-A



- Features:
1. Full-Bridge charging circuit;
  2. Patented pre-ignition circuit brings super stability;
  3. Using integrated IGBT module, better compatibility with xenon lamps with arc length less than 50mm.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	DC 200~400V
Output peak current (based on lamp)	250~500A
Output power	MAX. 1500W
Output frequency	1~8Hz
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Voltage protection, Temperature protection
Dimension(L*W*H)	298.5*195*153.7mm
Weight	5.76kg

Link: <https://www.iplpowersupply.com/product/297.html>



## 1.11 2000W-400V IPL Power Supply

Model: IPL-GKS2000I / IPL-WKS2000I



- Features:
1. Full-Bridge charging circuit;
  2. Patented pre-ignition circuit brings super stability;
  3. Using Non-integrated IGBT module to meet performance and price requirements.

### Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	DC 200~400V
Output peak current (based on lamp)	250~500A
Output power	MAX. 2000W
Output frequency	1~10Hz
Working surroundings temperature	-20~50°C
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65°C
Cooling method	Air cooling
Circuit protection	Voltage protection, Temperature protection
Dimension(L*W*H)	270*197.2*125mm
Weight	6kg

Link: <https://www.iplpowersupply.com/product/75.html>



## 1.12 2000W-400V IPL Power Supply (A)

Model: IPL-GKS2000I-A / IPL-WKS2000I-A



- Features:
1. Full-Bridge charging circuit;
  2. Patented pre-ignition circuit brings super stability;
  3. Using integrated IGBT module, better compatibility with xenon lamps with arc length less than 50mm;
  4. High power, high hair removal efficiency.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	DC 200~400V
Output peak current (based on lamp)	250~500A
Output power	MAX. 2000W
Output frequency	1~10Hz
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Voltage protection, Temperature protection
Dimension(L*W*H)	270*197.2*125mm
Weight	6kg

Link: <https://www.iplpowersupply.com/product/256.html>





### 1.13 2000W-660V IPL Power Supply (A)

Model: IPL-GKS2000III-A / IPL-WKS2000III-A



- Features:
1. Full-Bridge charging circuit;
  2. Patented pre-ignition circuit brings super stability;
  3. Using integrated IGBT module, better compatibility with xenon lamps with arc length less than 50mm;
  4. High power, high hair removal efficiency.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	DC 200~660V
Output peak current (based on lamp)	250~500A
Output power	MAX. 2000W
Output frequency	1~10Hz
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Voltage protection, Temperature protection
Dimension(L*W*H)	270*197.2*125mm
Weight	6kg

Link: <https://www.iplpowersupply.com/product/261.html>



## 1.14 2400W-400V IPL Power Supply

Model: IPL-GKS2400I / IPL-WKS2400I



- Features:
1. Full-Bridge charging circuit;
  2. Patented pre-ignition circuit brings super stability;
  3. Using Non-integrated IGBT module to meet performance and price requirements;
  4. High power, high hair removal efficiency.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	DC 200~400V
Output peak current (based on lamp)	250~500A
Output power	MAX. 2400W
Output frequency	1~10Hz
Working surroundings temperature	-20~40℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Voltage protection, Temperature protection
Dimension(L*W*H)	305*250.6*154mm
Weight	8.35kg

Link: <https://www.iplpowersupply.com/product/74.html>



## 1.15 2400W-400V IPL Power Supply (A)

Model: IPL-GKS2400I-A / IPL-WKS2400I-A



- Features:
1. Full-Bridge charging circuit;
  2. Patented pre-ignition circuit brings super stability;
  3. Using integrated IGBT module, better compatibility with xenon lamps with arc length less than 50mm;
  4. High power, high hair removal efficiency.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	DC 200~400V
Output peak current (based on lamp)	250~500A
Output power	MAX. 2400W
Output frequency	1~10Hz
Working surroundings temperature	-20~40℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Voltage protection, Temperature protection
Dimension(L*W*H)	305*250.6*154mm
Weight	8.35kg

Link: <https://www.iplpowersupply.com/product/257.html>



## 1.16 2400W-660V IPL Power Supply (A)

Model: IPL-GKS2400III-A / IPL-WKS2400III-A



- Features:
1. Full-Bridge charging circuit;
  2. Patented pre-ignition circuit brings super stability;
  3. Using integrated IGBT module, better compatibility with xenon lamps with arc length less than 50mm;
  4. High power, high hair removal efficiency.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	DC 200~660V
Output peak current (based on lamp)	250~500A
Output power	MAX. 2400W
Output frequency	1~10Hz
Working surroundings temperature	-20~40℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Voltage protection, Temperature protection
Dimension(L*W*H)	305*250.6*154mm
Weight	8.35kg

Link: <https://www.iplpowersupply.com/product/73.html>

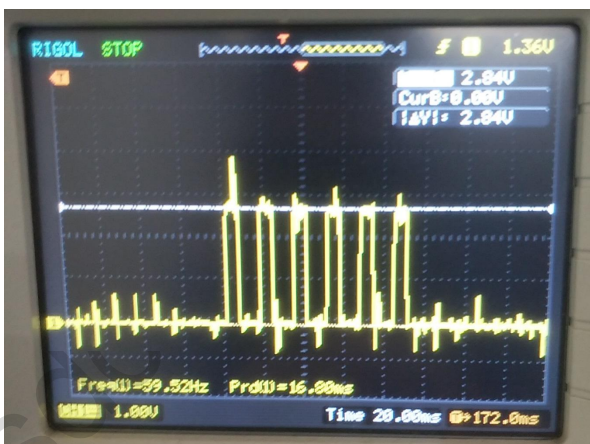


## 2. OPT Power Supply

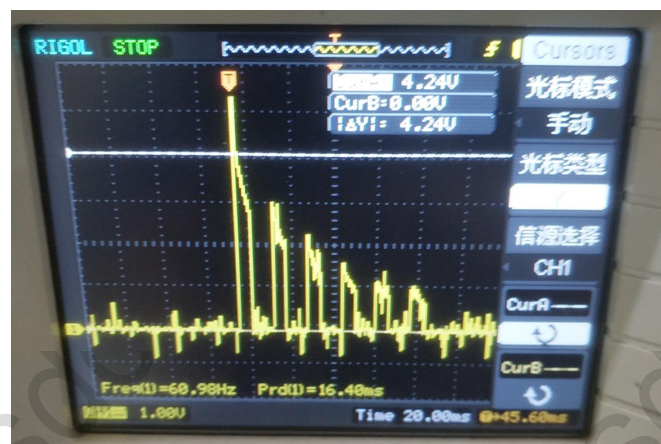
### 2.1 Product Information

Output adjustable constant current pulse, so it is safer than IPL power supply.  
Strong IGBT discharge circuit.  
High working frequency and protection circuit make product efficient and stable.  
Pre-ignition circuit make lamp longer lifetime.  
Drive circuit independent design, simple wiring, safe and convenient.  
Can be customized AC 220V input or AC 110V input.  
CE, RoHS, ISO9001 certification.

The comparison of output waveform between OPT and IPL shows that the output of OPT is more stable and closer to the ideal square wave:



(OPT output waveform)



(IPL output waveform)

### 2.2 Power Supply Selection Table

Model	Input Voltage AC (V)	Max. Output Power (W)	Max. Output Voltage (V)	Output Current (based on lamp) (A)	Output Repeat Frequency (Hz)	Product Case	Pre-ignition Circuit
OPT-G-S2400II / OPT-W-S2400II	220 / 110	2400	600	0~260	1~10	-	•

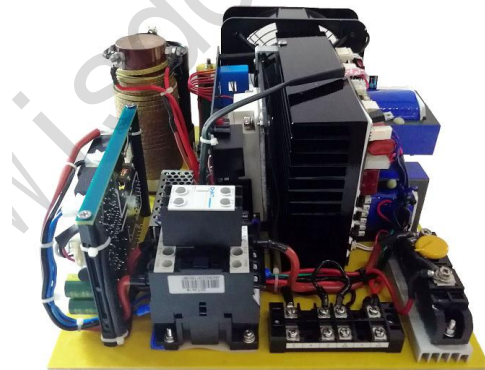
OPT power supply patent number and certification number:

- (1) Pre-ignition Circuit for xenon lamp: ZL 2015 2 0465584.X
- (2) CE: BSTDG190111169201EC  
BSTDG190111169201SC  
BSTXD190612868001EC  
BSTXD190612868001SC
- (3) RoHS: BSTDG190111169202CC



## 2.3 2400W-600V OPT Power Supply

Model: OPT-G-S2400II / OPT-W-S2400II



- Features:
1. Full-Bridge charging circuit;
  2. Patented pre-ignition circuit brings super stability;
  3. Output adjustable constant current pulse;
  4. Use integrated IGBT module, better compatibility with xenon lamps with arc length less than 50mm;
  5. High power, high hair removal efficiency.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Charging Voltage	MAX. 600V
Output current	0~260A adjustable
Output power	MAX. 2400W
Output frequency	1~10Hz
Working surroundings temperature	-20~45℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Voltage protection, Temperature protection
Dimension(L*W*H)	350*300*157mm
Weight	9.15kg

Link: <https://www.iplpowersupply.com/product/64.html>



## 3. Laser Power Supply

### 3.1 Product Information

Charging voltage adjustable.

Compatible with any specification of xenon lamp.

High working frequency and protection circuit make product efficient and stable.

Pre-ignition circuit make lamp longer lifetime.

Drive circuit independent design, simple wiring, safe and convenient.

Can be customized AC 220V input or AC 110V input.

CE, RoHS, ISO9001 certification.

### 3.2 Power Supply Selection Table

Model	Input Voltage AC (V)	Max. Output Power (W)	Max. Output Voltage (V)	Output Repeat Frequency (Hz)	Product Case	Pre-ignition Circuit	Capacitor Integrated
LASER-G-S300 / LASER-W-S300	220 / 110	300	950	1~10	-	•	-
LASER-G-S300-N / LASER-W-S300-N	220 / 110	300	850	1~10	-	-	-
LASER-GKS500 / LASER-WKS500	220 / 110	500	950	1~10	•	•	-
LASER-G-S500 / LASER-W-S500	220 / 110	500	950	1~10	-	•	-
LASER-G-S800 / LASER-W-S800	220 / 110	800	950	1~10	-	•	-
LASER-GKS1200 / LASER-WKS1200	220 / 110	1200	920	1~10	•	•	-
LASER-G-S1200 / LASER-W-S1200	220 / 110	1200	920	1~10	-	•	-
LASER-GKS2000 / LASER-WKS2000	220 / 110	2000	920	1~10	•	•	•

Laser power supply patent number and certification number:

(1) Pre-ignition Circuit for xenon lamp: ZL 2015 2 0465584.X

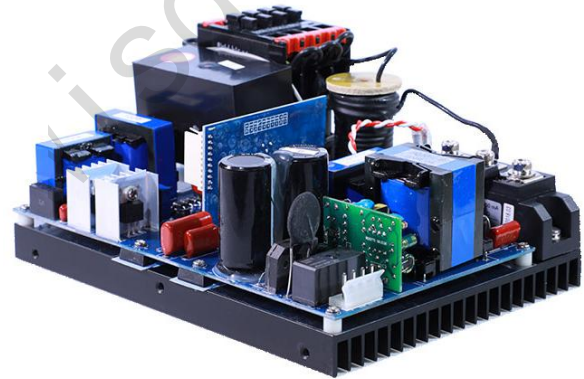
(2) CE: BSTDC190111169202EC  
BSTDC190111169202SC

(3) RoHS: BSTDG190111169203CC



### 3.3 300W Laser Power Supply

Model: LASER-G-S300 / LASER-W-S300



- Features:
1. Half-Bridge charging circuit;
  2. Patented pre-ignition circuit;
  3. Good stability;
  4. Small size and less weight;
  5. Contains one 100uF/1400V CBB capacitors with bolts.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	MAX. 9500V
Output power	MAX. 300W
Output frequency	1~10Hz
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Cooling method	Air cooling
Circuit protection	Voltage protection
Dimension(L*W*H)	200*155*99mm
Weight	2kg

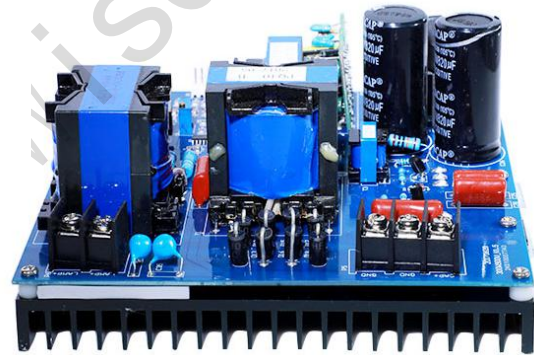
Link: <https://www.iplpowersupply.com/product/61.html>





### 3.4 300W Laser Power Supply (No Pre-ignition)

Model: LASER-G-S300-N / LASER-W-S300-N



- Features:
1. Half-Bridge charging circuit;
  2. Good stability;
  3. Small size and less weight;
  4. Competitive price;
  5. Contains one 100uF/1400V CBB capacitors with bolts.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	MAX. 850V
Output power	MAX. 300W
Output frequency	1~10Hz
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Cooling method	Air cooling
Circuit protection	Voltage protection
Dimension(L*W*H)	156*152*67mm
Weight	1.1kg

Link: <https://www.iplpowersupply.com/product/60.html>



### 3.5 500W Laser Power Supply

Model: LASER-GKS500 / LASER-WKS500



- Features:
1. Half-Bridge charging circuit;
  2. Patented pre-ignition circuit;
  3. Good stability;
  4. Small size;
  5. Contains one 100uF/1400V CBB capacitors with bolts.

Description:

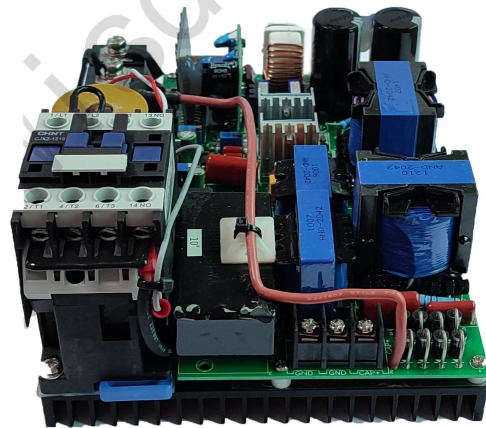
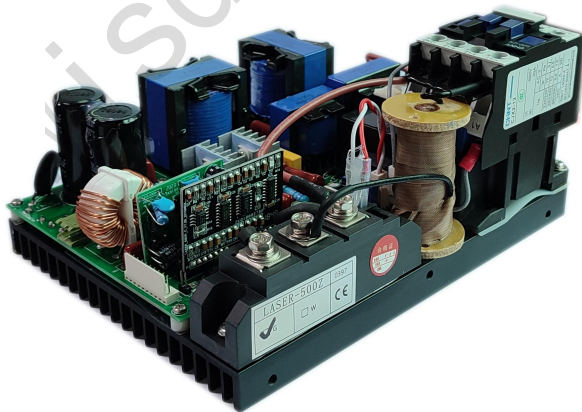
Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	MAX. 950V
Output power	MAX. 500W
Output frequency	1~10Hz
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Cooling method	Air cooling
Circuit protection	Voltage protection
Dimension(L*W*H)	201*175*136mm
Weight	3.1kg

Link: <https://www.iplpowersupply.com/product/59.html>



### 3.6 500W Laser Caseless Power Supply

Model: LASER-G-S500 / LASER-W-S500



- Features:
1. Half-Bridge charging circuit;
  2. Patented pre-ignition circuit;
  3. Good stability;
  4. Small size and less weight;
  5. Contains one 100uF/1400V CBB capacitors with bolts.

Description:

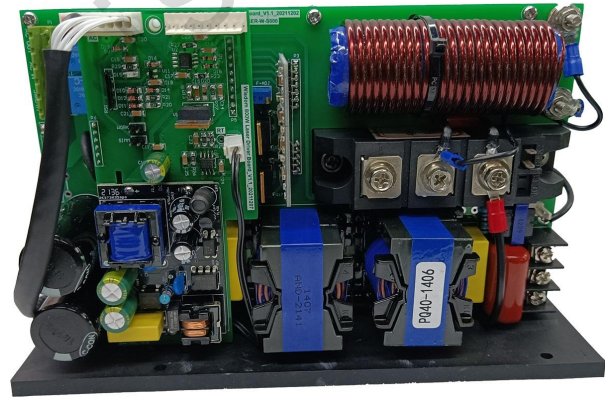
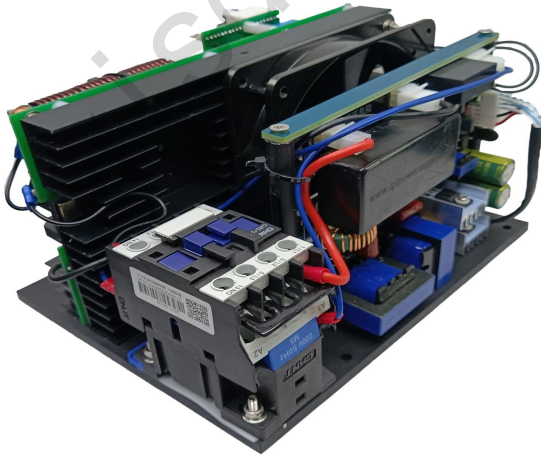
Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	MAX. 950V
Output power	MAX. 500W
Output frequency	1~10Hz
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Cooling method	Air cooling
Circuit protection	Voltage protection
Dimension(L*W*H)	200*152*99mm
Weight	2kg

Link: <https://www.iplpowersupply.com/product/258.html>



### 3.7 800W Laser Caseless Power Supply

Model: LASER-G-S800 / LASER-W-S800



- Features:
1. Full-Bridge charging circuit;
  2. Patented pre-ignition circuit;
  3. Good stability;
  4. Small size and less weight;
  5. Contains one 100uF/1400V CBB capacitors with bolts.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	MAX. 950V
Output power	MAX. 800W
Output frequency	1~10Hz
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Cooling method	Air cooling
Circuit protection	Voltage protection, Temperature protection
Dimension(L*W*H)	210*165*126mm
Weight	2.56kg

Link: <https://www.iplpowersupply.com/product/304.html>



### 3.8 1200W Laser Power Supply

Model: LASER-GKS1200 / LASER-WKS1200



- Features:
1. Full-Bridge charging circuit;
  2. Patented pre-ignition circuit;
  3. Good stability;
  4. Contains one 100uF/1400V CBB capacitors with bolts.

Description:

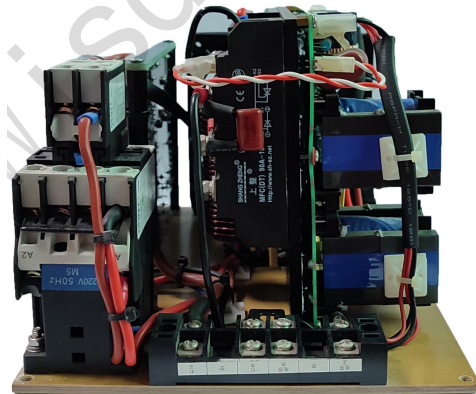
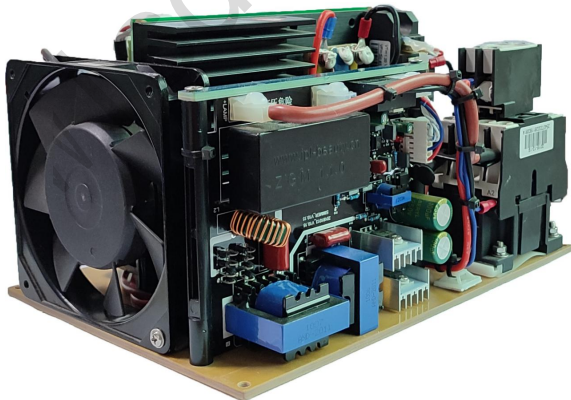
Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	MAX. 920V
Output power	MAX. 1200W
Output frequency	1~10Hz
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Cooling method	Air cooling
Circuit protection	Voltage protection
Dimension(L*W*H)	276*182*144mm
Weight	5.2kg

Link: <https://www.iplpowersupply.com/product/58.html>



### 3.9 1200W Laser Caseless Power Supply

Model: LASER-G-S1200 / LASER-W-S1200



- Features:
1. Full-Bridge charging circuit;
  2. Patented pre-ignition circuit;
  3. Good stability;
  4. Contains one 100uF/1400V CBB capacitors with bolts.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	MAX. 920V
Output power	MAX. 1200W
Output frequency	1~10Hz
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Cooling method	Air cooling
Circuit protection	Voltage protection
Dimension(L*W*H)	261*181*142mm
Weight	3.8kg

Link: <https://www.iplpowersupply.com/product/259.html>



### 3.10 2000W Laser Power Supply

Model: LASER-GKS2000 / LASER-WKS2000



- Features:
1. Full-Bridge charging circuit;
  2. Patented pre-ignition circuit;
  3. Good stability;
  4. Integrate two parallel 100uF/1600V non-polar capacitors, no need for external charging capacitor.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	MAX. 920V
Output power	MAX. 2000W
Output frequency	1~10Hz
Working surroundings temperature	-20~45℃
Working surroundings humidity	Relative humidity ≤ 85%
Cooling method	Air cooling
Circuit protection	Voltage protection
Dimension(L*W*H)	370*223*162mm
Weight	9kg

Link: <https://www.iplpowersupply.com/product/57.html>



## 4. Diode Power Supply

### 4.1 Product Information

Diode power supply output PWM pulse with adjustable constant current.  
Output voltage adaptive matching laser load (Diode characteristics).  
Efficient and stable for continuous working.

Over-voltage protection, over-current protection and high temperature protection.

The current control signal is equipped with 5V limit function.

Simple wiring, safe and convenient.

Can be customized AC 220V input or AC 110V input.

CE, RoHS, ISO9001 certification.

### 4.2 Power Supply Selection Table

Model	Input Voltage AC (V)	Max. Output Power (W)	Output Voltage (V)	Output Current (A)	Output Repeat Frequency (Hz)	Bar Number	Laser Power according to bars (W)	Product Case
LD-GB30050 / LD-WB30050	220 / 110	1500	5.9~30	0~50	1~10	3~15	150~750	●
LD-GL40050 / LD-WL40050	220 / 110	2000	7.6~40	0~50	1~10	4~20	200~1000	●
LD-GL64050 / LD-WL64050	220 / 110	3200	13~64	0~50	1~10	7~32	350~1600	●
LD-G-30060-Z / LD-W-30060-Z	220 / 110	1800	5.9~30	0~60	1~10	3~15	180~900	-
LD-GS40050-D / LD-WS40050-D	220 / 110	2000	7.6~40	0~50	1~10	4~20	200~1000	●
LD-GB15100 / LD-WB15100	220 / 110	1500	7.4~15	0~100	1~10	3~8	300~800	●
LD-GL26100 / LD-WL26100	220 / 110	2600	16.8~26	0~100	1~10	8~13	800~1300	●
LD-GS46100 / LD-WS46100	220 / 110	4600	33.2~46	0~100	1~10	18~24	1800~2400	●
LD-GL68015 / LD-WL68015	220 / 110	1000	21.6~68	0~15	1~10	11~36	165~540	●
LD-GL90012 / LD-WL90012	220 / 110	1000	21.6~90	0~12	1~10	11~56	132~672	●
LD-GL04065 / LD-WL04065	220 / 110	140	0~2	0~65	continuous	1	50~65	●

808 power supply patent number and certification number:

(1) CE: BSTXD190311180001EC  
BSTXD190311180001SC





### 4.3 50A/30V Diode Power Supply

Model: LD-GB30050 / LD-WB30050



- Features:
1. Full-Bridge charging circuit;
  2. Input 0~5V analog control voltage corresponding to 0~50A current output;
  3. The working control signal can be customized as high level or low level;
  4. Conspicuous status indicator;
  5. Black frosted aluminum shell.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	5.9~30V
Output current	0~50A
Output power	MAX. 1500W
Output frequency	1~10Hz
Bar number	3~15
Laser power according to bars	150~750W
Output current duty cycle	MAX. 40%
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Voltage protection, Current protection, Temperature protection
Dimension(L*W*H)	264.5*200*84mm
Weight	3.3kg

Link: <https://www.iplpowersupply.com/product/71.html>



## 4.4 50A/40V Diode Power Supply

Model: LD-GL40050 / LD-WL40050



- Features:
1. Full-Bridge charging circuit;
  2. Input 0~5V analog control voltage corresponding to 0~50A current output;
  3. The working control signal can be customized as high level or low level;
  4. Silver frosted aluminum shell.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	7.6~40V
Output current	0~50A
Output power	MAX. 2000W
Output frequency	1~10Hz
Bar number	4~20
Laser power according to bars	200~1000W
Output current duty cycle	MAX. 40%
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Current protection, Temperature protection
Dimension(L*W*H)	322*183*68mm
Weight	2.7kg

Link: <https://www.iplpowersupply.com/product/70.html>



## 4.5 50A/64V Diode Power Supply

Model: LD-GL64050 / LD-WL64050



- Features:
1. Full-Bridge charging circuit;
  2. Input 0~5V analog control voltage corresponding to 0~50A current output;
  3. The working control signal can be customized as high level or low level;
  4. Silver frosted aluminum shell.

Description:

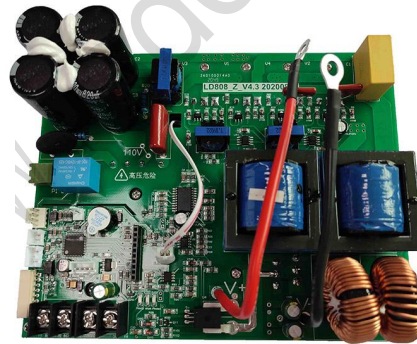
Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	13~64V
Output current	0~50A
Output power	MAX. 3200W
Output frequency	1~10Hz
Bar number	7~32
Laser power according to bars	350~1600W
Output current duty cycle	MAX. 30%
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Current protection, Temperature protection
Dimension(L*W*H)	322*183*68mm
Weight	2.7kg

Link: <https://www.iplpowersupply.com/product/69.html>



## 4.6 60A/30V Diode Power Supply

Model: LD-G-30060-Z / LD-W-30060-Z



- Features:
1. Full-Bridge charging circuit;
  2. Integrated control module, no external control board is needed;
  3. Integrated refrigeration driver module, no external refrigeration driver board is needed;
  4. One expansion function card can be inserted to control the laser power supply or RF power supply;
  5. Small size, less weight and Competitive price.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%) + DC12V/150W
Output voltage	5.9~30V
Output current	0~60A
Output power	MAX. 1800W
Output frequency	1~10Hz
Bar number	3~15
Laser power according to bars	180~900W
Output current duty cycle	MAX. 40%
Working surroundings temperature	-20~50°C
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65°C
Cooling method	Air cooling
Circuit protection	Voltage protection, Current protection, Temperature protection
Dimension(L*W*H)	192*152*72mm
Weight	1.4kg

Link: <https://www.iplpowersupply.com/product/217.html>



## 4.7 50A/40V Double Channel Diode Power Supply

Model: LD-GS40050-D / LD-WS40050-D



- Features:
1. Full-Bridge charging circuit;
  2. Input 0~5V analog control voltage corresponding to 0~50A current output;
  3. The working control signal can be customized as high level or low level;
  4. Integrated refrigeration drive module;
  5. LCD screen displays power status;
  6. Dual channel switching output;
  7. Stainless Steel shell.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	7.6~40V
Output current	0~50A
Output power	MAX. 2000W
Output frequency	1~10Hz
Bar number	4~20
Laser power according to bars	200~1000W
Output current duty cycle	MAX. 40%
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Current protection, Temperature protection
Dimension(L*W*H)	332*180*87mm
Weight	3.95kg

Link: <https://www.iplpowersupply.com/product/66.html>



## 4.8 100A/15V Diode Power Supply

Model: LD-GB15100 / LD-WB15100



- Features:
1. Full-Bridge charging circuit;
  2. Input 0~5V analog control voltage corresponding to 0~100A current output;
  3. The working control signal can be customized as high level or low level;
  4. Conspicuous status indicator;
  5. Black frosted aluminum shell.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	7.4~15V
Output current	0~100A
Output power	MAX. 1500W
Output frequency	1~10Hz
Bar number	3~8
Laser power according to bars	300~800W
Output current duty cycle	MAX. 25%
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Voltage protection, Current protection, Temperature protection
Dimension(L*W*H)	264.5*200*84mm
Weight	3.3kg

Link: <https://www.iplpowersupply.com/product/237.html>



## 4.9 100A/26V Diode Power Supply

Model: LD-GL26100 / LD-WL26100



- Features:
1. Full-Bridge charging circuit;
  2. Input 0~5V analog control voltage corresponding to 0~100A current output;
  3. The working control signal can be customized as high level or low level;
  4. Silver frosted aluminum shell.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	16.8~26V
Output current	0~95A
Output power	MAX. 2600W
Output frequency	1~10Hz
Bar number	8~13
Laser power according to bars	800~1300W
Output current duty cycle	MAX. 25%
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Current protection, Temperature protection
Dimension(L*W*H)	322*183*68mm
Weight	2.7kg

Link: <https://www.iplpowersupply.com/product/68.html>



## 4.10 100A/36V Diode Power Supply

Model: LD-GS36100 / LD-WS36100



- Features:
1. Full-Bridge charging circuit;
  2. Input 0~5V analog control voltage corresponding to 0~100A current output;
  3. The working control signal can be customized as high level or low level;
  4. Stainless Steel shell.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	14~36V
Output current	0~100A
Output power	MAX. 3600W
Output frequency	1~10Hz
Bar number	8~18
Laser power according to bars	800~1800W
Output current duty cycle	MAX. 20%
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Current protection, Temperature protection
Dimension(L*W*H)	324.2*183*103.6mm
Weight	5.1kg

Link: <https://www.iplpowersupply.com/product/300.html>





## 4.11 100A/46V Diode Power Supply

Model: LD-GS46100 / LD-WS46100



- Features:
1. Full-Bridge charging circuit;
  2. Input 0~5V analog control voltage corresponding to 0~100A current output;
  3. The working control signal can be customized as high level or low level;
  4. Stainless Steel shell.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	33.2~46V
Output current	0~100A
Output power	MAX. 4600W
Output frequency	1~10Hz
Bar number	18~24
Laser power according to bars	1800~2400W
Output current duty cycle	MAX. 20%
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Current protection, Temperature protection
Dimension(L*W*H)	324.2*183*103.6mm
Weight	5.1kg

Link: <https://www.iplpowersupply.com/product/67.html>



## 4.12 15A/68V Diode Power Supply

Model: LD-GL68015 / LD-WL68015



- Features:
1. Full-Bridge charging circuit;
  2. Input PWM signal to control output current (High level duty cycle 78.4% ~ 100% corresponds to 0 ~ 15A);
  3. The working control signal can be customized as high level or low level;
  4. Can work with fiber laser;
  5. Silver frosted aluminum shell.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	21.6~68V
Output current	0~15A
Output power	MAX. 1000W
Output frequency	1~10Hz
Bar number	11~36
Laser power according to bars	165~540W
Output current duty cycle	MAX. 60%
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Current protection, Temperature protection
Dimension(L*W*H)	322*183*68mm
Weight	2.7kg

Link: <https://www.iplpowersupply.com/product/231.html>



## 4.13 12A/90V Diode Power Supply

Model: LD-GL90012 / LD-WL90012



- Features:
1. Full-Bridge charging circuit;
  2. Input PWM signal to control output current (High level duty cycle 78.4% ~ 95.7% corresponds to 0 ~ 12A);
  3. The working control signal can be customized as high level or low level;
  4. Can work with fiber laser;
  5. Silver frosted aluminum shell.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	21.6~90V
Output current	0~12A
Output power	MAX. 1000W
Output frequency	1~10Hz
Bar number	11~56
Laser power according to bars	132~672W
Output current duty cycle	MAX. 60%
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Current protection, Temperature protection
Dimension(L*W*H)	322*183*68mm
Weight	2.7kg

Link: <https://www.iplpowersupply.com/product/235.html>



## 4.14 65A/2V Double Channel Diode Power Supply

Model: LD-GL02065-D / LD-WL02065-D



- Features:
1. Full-Bridge charging circuit;
  2. Input 0~5V analog control voltage corresponding to 0~65A current output;
  3. The working control signal can be customized as high level or low level;
  4. Dual channel output;
  5. Silver frosted aluminum shell.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	0~2V
Output current	0~65A
Output power	MAX. 140W
Output frequency	Continuous
Bar number	1
Laser power according to bars	50~65W
Output current duty cycle	MAX. 100%
Working surroundings temperature	-20~50℃
Working surroundings humidity	Relative humidity ≤ 85%
Protection trigger temperature	65℃
Cooling method	Air cooling
Circuit protection	Current protection, Temperature protection
Dimension(L*W*H)	340.5*207*106mm
Weight	3.14kg

Link: <https://www.iplpowersupply.com/product/229.html>



## 5. RF Power Supply

### 5.1 Product Information

RF power supply has moderate penetration and moderate body feel.  
Unique RF technology, stable output.  
Efficient and stable for continuous working.  
Simple wiring, safe and convenient.  
CE, RoHS, ISO9001, PSE certification.

### 5.2 Power Supply Selection Table

Model	Input Voltage AC (V)	Max. Output Power (W)	Max. Output Voltage (V)	Output Repeat Frequency (Hz)	Output Channel Number	Product Case
RF-GLD1020 / RF-WLD1020	AC 220 / AC 110	100	400	1M & 2M	2	•
RF-GLD5000 / RF-WLD5000	AC 220 / AC 110	50	250	5M	2	•
RF-GLD5000-G / RF-WLD5000-G	AC 220 / AC 110	50	250	5M	2	•
RF-GLD5000-T / RF-WLD5000-T	AC 220 / AC 110	50	250	5M	2	•
RF-GLD2000 / RF-WLD2000	AC 220 / AC 110	100	300	2M	2	•
RF-C-D1000	DC 12	30	160	1M	2	-
RF-YLS0450-C	AC 100~275	100	1200	450k	1	•

RF power supply patent number and certification number:

- (1) CE: TST2018091300EC  
BSTXD190111169204EC  
BSTXD190111169203SC
- (2) PSE: TBTT20160708343SC-5



### 5.3 1M & 2M RF Power Supply

Model: RF-GLD1020 / RF-WLD1020



- Features:
1. Dual frequency 1M & 2M Hz switching output;
  2. Dual channel switching output;
  3. Standardized DB9 control input interface;
  4. Standardized BNC output interface;
  5. Output voltage adjustable.

#### Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	MAX. 400V
Output power	MAX. 100W
Output frequency	1M & 2M Hz
Output channel number	2
Working surroundings temperature	-20~45°C
Working surroundings humidity	Relative humidity ≤ 85%
Cooling method	Air cooling
Circuit protection	Open circuit protection, Short circuit protection, Voltage protection
Dimension(L*W*H)	215*115*50mm
Weight	1kg

Link: <https://www.iplpowersupply.com/product/63.html>



## 5.4 5M RF Power Supply

Model: RF-GLD5000 / RF-WLD5000



Features: 1. Dual channel switching output.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	MAX. 250V
Output power	MAX. 50W
Output frequency	5M Hz
Output channel number	2
Working surroundings temperature	-20~45℃
Working surroundings humidity	Relative humidity ≤ 85%
Cooling method	Air cooling
Dimension(L*W*H)	215*115*50mm
Weight	0.7kg

Link: <https://www.iplpowersupply.com/product/239.html>



## 5.5 5M RF Power Supply (Interface upgraded)

Model: RF-GLD5000-G / RF-WLD5000-G



- Features:
1. Dual channel switching output;
  2. Standardized DB9 control input interface;
  3. Standardized BNC output interface;
  4. With toggle power switch.

### Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	MAX. 250V
Output power	MAX. 50W
Output frequency	5M Hz
Output channel number	2
Working surroundings temperature	-20~45°C
Working surroundings humidity	Relative humidity ≤ 85%
Cooling method	Air cooling
Dimension(L*W*H)	228*115*50mm
Weight	0.7kg

Link: <https://www.iplpowersupply.com/product/241.html>





## 5.6 5M RF Power Supply (Voltage adjustable)

Model: RF-GLD5000-T / RF-WLD5000-T



- Features:
1. Dual channel switching output;
  2. Standardized DB9 control input interface;
  3. Standardized BNC output interface;
  4. Output voltage adjustable;
  5. With toggle power switch.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	MAX. 250V
Output power	MAX. 50W
Output frequency	5M Hz
Output channel number	2
Working surroundings temperature	-20~45°C
Working surroundings humidity	Relative humidity ≤ 85%
Cooling method	Air cooling
Dimension(L*W*H)	228*115*50mm
Weight	0.7kg

Link: <https://www.iplpowersupply.com/product/243.html>



## 5.7 2M RF Power Supply

Model: RF-GLD2000 / RF-WLD2000



Features: 1. Dual channel switching output.

Description:

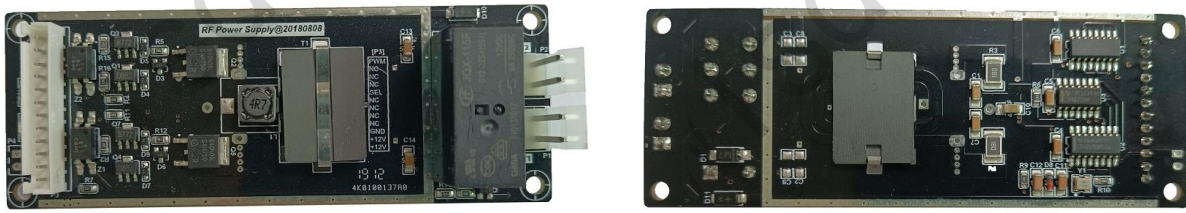
Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%)
Output voltage	MAX. 300V
Output power	MAX. 100W
Output frequency	2M Hz
Output channel number	2
Working surroundings temperature	-20~45℃
Working surroundings humidity	Relative humidity ≤ 85%
Cooling method	Air cooling
Dimension(L*W*H)	215*115*50mm
Weight	0.7kg

Link: <https://www.iplpowersupply.com/product/62.html>



## 5.8 1M RF Power Supply

Model: RF-C-D1000



- Features:
1. Dual channel switching output;
  2. DC input;
  3. Small size, less weight;
  4. Competitive price.

Description:

Item	Parameter
Input voltage	12VDC /50W
Output voltage	MAX. 160V
Output power	MAX. 30W
Output frequency	1M Hz
Output channel number	2
Working surroundings temperature	-20~45℃
Working surroundings humidity	Relative humidity ≤ 85%
Cooling method	Air cooling
Dimension(L*W*H)	111*40.5*21mm
Weight	0.04kg

Link: <https://www.iplpowersupply.com/product/245.html>



## 5.9 Ceramic RF Power Supply

Model: RF-YLS0450-C



- Features:
1. Work with ceramic handle and negative circuit board;
  2. Standardized DB9 control input interface;
  3. Standardized BNC output interface;
  4. Output voltage adjustable.

Description:

Item	Parameter
Input voltage	100V~275V AC 50Hz(±10%)
Output voltage	MAX. 1200V
Output power	MAX. 100W
Output frequency	450k Hz
Output channel number	1
Working surroundings temperature	-20~45°C
Working surroundings humidity	Relative humidity ≤ 85%
Cooling method	Air cooling
Circuit protection	Current protection
Dimension(L*W*H)	230*115*88.5mm
Weight	1.4kg

Link: <https://www.iplpowersupply.com/product/260.html>



## 6. Ultrasonic Power Supply

### 6.1 Product Information

Drive ultrasonic transducer to produce high intensity focused ultrasonic.  
Super stable circuit structure.  
CE, RoHS, ISO9001 certification.

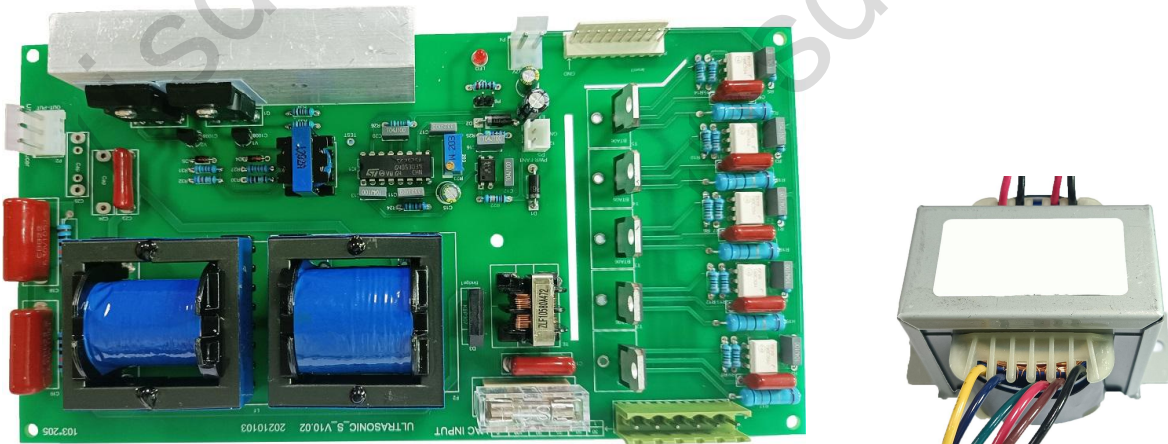
### 6.2 Power Supply Selection Table

Model	Input Voltage AC (V)	Max. Output Power (W)	Output Repeat Frequency (Hz)	Output Channel Number	Matching Transformer	Product Case
U-GS0040 / U-WS0040	220 / 110	100	40k	1	•	-



## 6.3 40K Ultrasonic Power Supply

Model: U-GS0040 / U-WS0040



- Features:
1. Use power frequency transformer for power supply;
  2. Work with 40K ultrasonic transducer;
  3. Multi-level adjustable energy;
  4. Frequency automatic lock.

Description:

Item	Parameter
Input voltage	G--220V / W--110V AC 50Hz(±10%) + 12VDC/25W
Output voltage	MAX. 100W
Output frequency	40K Hz
Output channel number	1
Working surroundings temperature	-20~45°C
Working surroundings humidity	Relative humidity ≤ 85%
Cooling method	Air cooling
Power supply dimension(L*W*H)	212*110*40mm
Transformer dimension(L*W*H)	94*66*58mm
Power supply weight	0.4kg
Transformer weight	1kg

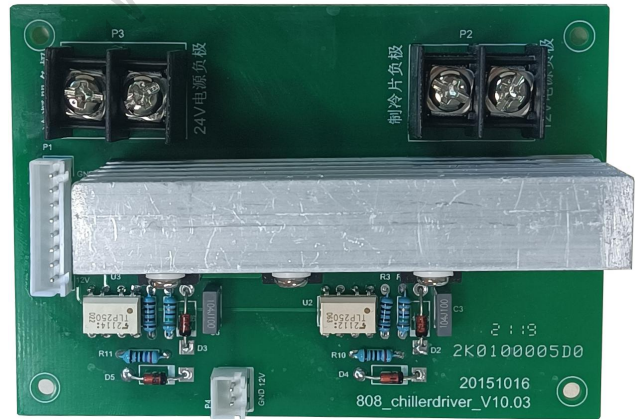
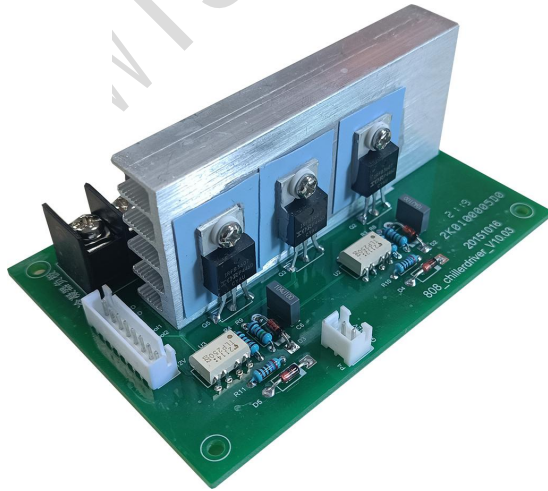
Link: <https://www.iplpowersupply.com/product/56.html>



## 7. Function Board

### 7.1 Diode Colling Driver Board

Model: FB-LD-C



- Features:
1. Used with diode laser controller;
  2. Input PWM control signal, respectively control the refrigeration intensity of the diode laser handle and the condenser;
  3. It can drive a 3W / 12VDC fan;
  4. Simple wiring.

Description:

Item	Parameter
Working voltage	12VDC
Control voltage	MAX. 100V
Control power	Condenser: MAX 600W Handle refrigeration: MAX 300W
Control channel number	2
Fan voltage	12VDC
Fan power	MAX 3W
Working surroundings temperature	-20~45°C
Working surroundings humidity	Relative humidity ≤ 85%
Cooling method	Air cooling
Dimension(L*W*H)	100*70*38.6mm
Weight	0.1kg

Link: <https://www.iplpowersupply.com/product/302.html>



# Wisdom

## Get better together!

If you find any errors in this document, or  
have suggestions for the product, please contact:

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