

POWER SUPPLIES

2021 PRODUCT UPDATE



BACKGROUND INTRODUCTION

Headquarters: New Brunswick, NJ
Factory: Shipai, Dong Guan, China
Donguen Boayang Electronics
No. of Employees: 500



PRODUCT CATEGORIES

■ **I.T.E. Standard Switching AC Adapter**

IEC/ EN/ UL 60950 for I.T. Equipment

IEC/ EN/ UL 62368 for Audio/Video & I.T. Equipment

5W ~ 300W

DoE Level VI certified & meet CoC Tier 2



PRODUCT CATEGORIES

■ **Medical Grade Switching AC Adapter**

IEC/ EN/ ANSI/AAMI ES60601-1 (Edition 3.1) for Medical Equipment

IEC 60601-1-2 : 2014 (Edition 4.0) for EMC Standard

6W ~ 300W

Meet Level VI efficiency



PRODUCT CATEGORIES

■ **I.T.E. / Medical Open Frame Power Supply**

Single Output: 12W / 24W / 65W / 120W

150W / 200W / Small Size 200W

Dual Output: 210W / 305W / 450W / 612W

Meet Level VI efficiency



SAFETY CERTIFICATE

Product and Factory Qualified from Worldwide Safety Agent



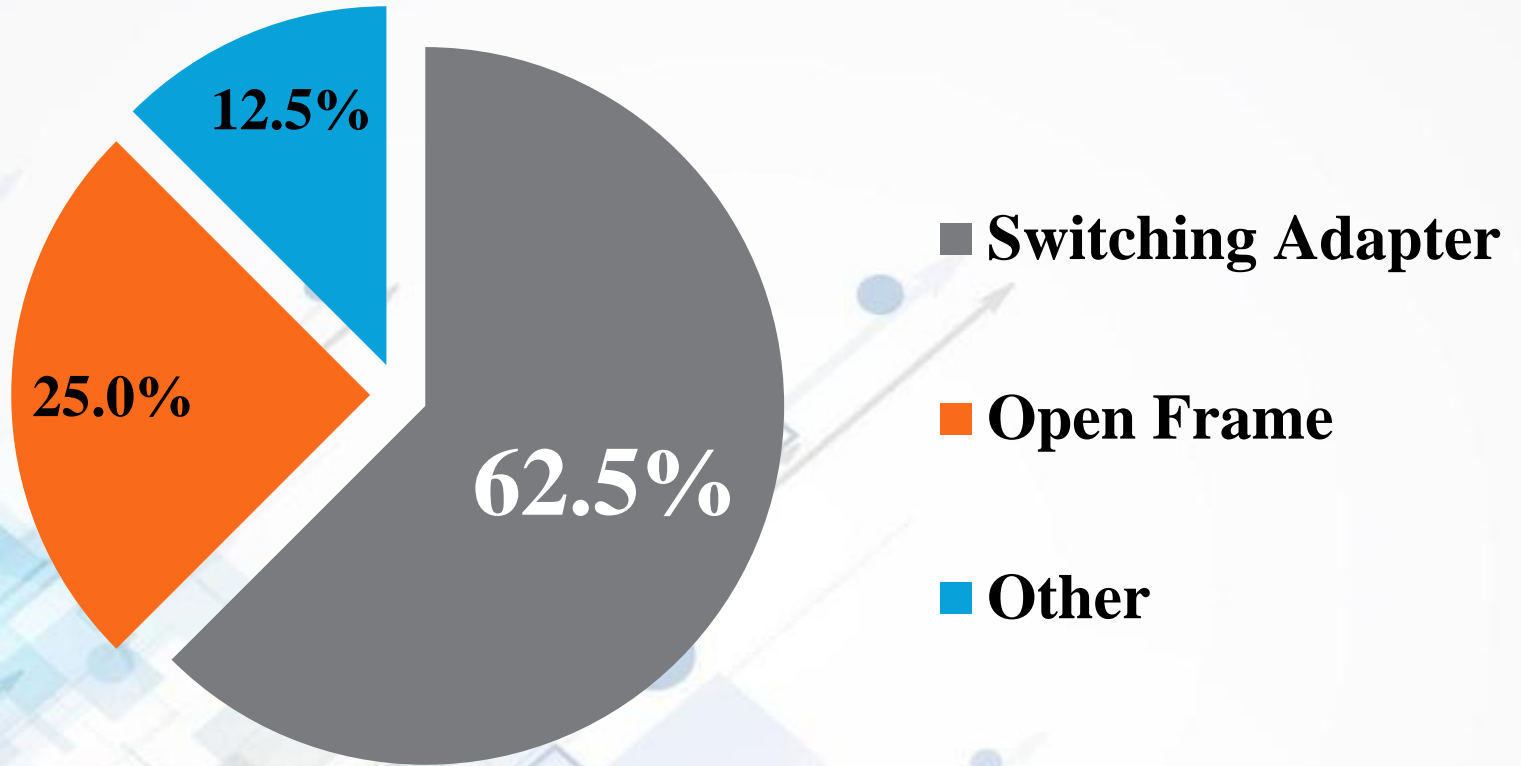
IS13252(Part1)/
IEC 60950-1



R-41013177

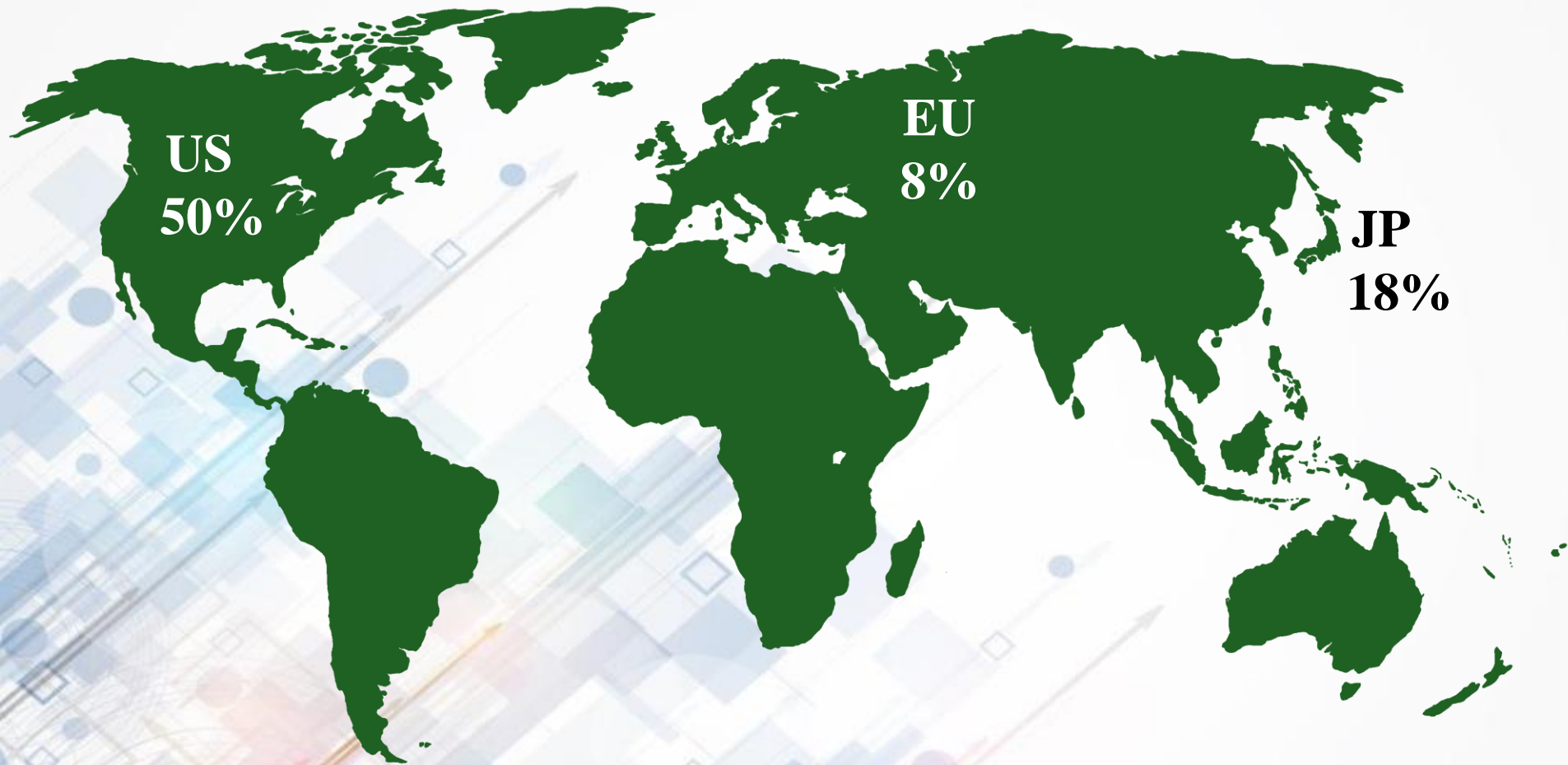


PRODUCTION CAPACITY



	Quantity / Month	Capability / Month
Switching Adapter	500K	850K
Open Frame	200K	250K
Other	100K	200K

SALES MAP



US	Europe	Japan	Other
50%	8%	18%	24%

BUSINESS PHILOSOPHY

- **RD Background Company**

 - Provide design service upon customer's request**

- **Upgrade Technology Continuously**

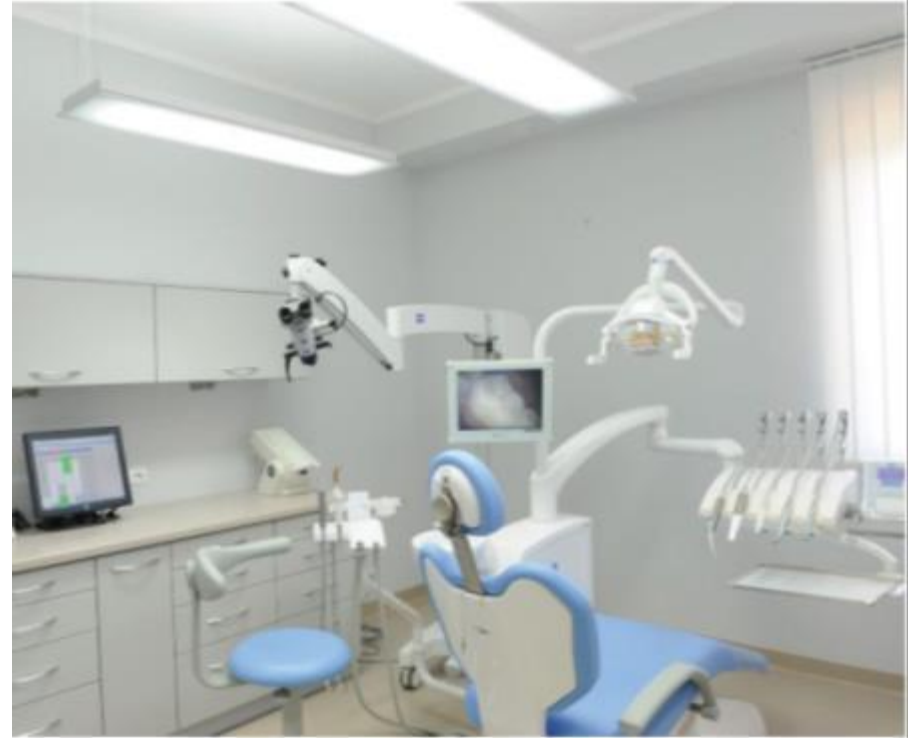
- **Concentrate, Professional, Proficiency**

- **Emphasize on High Quality**



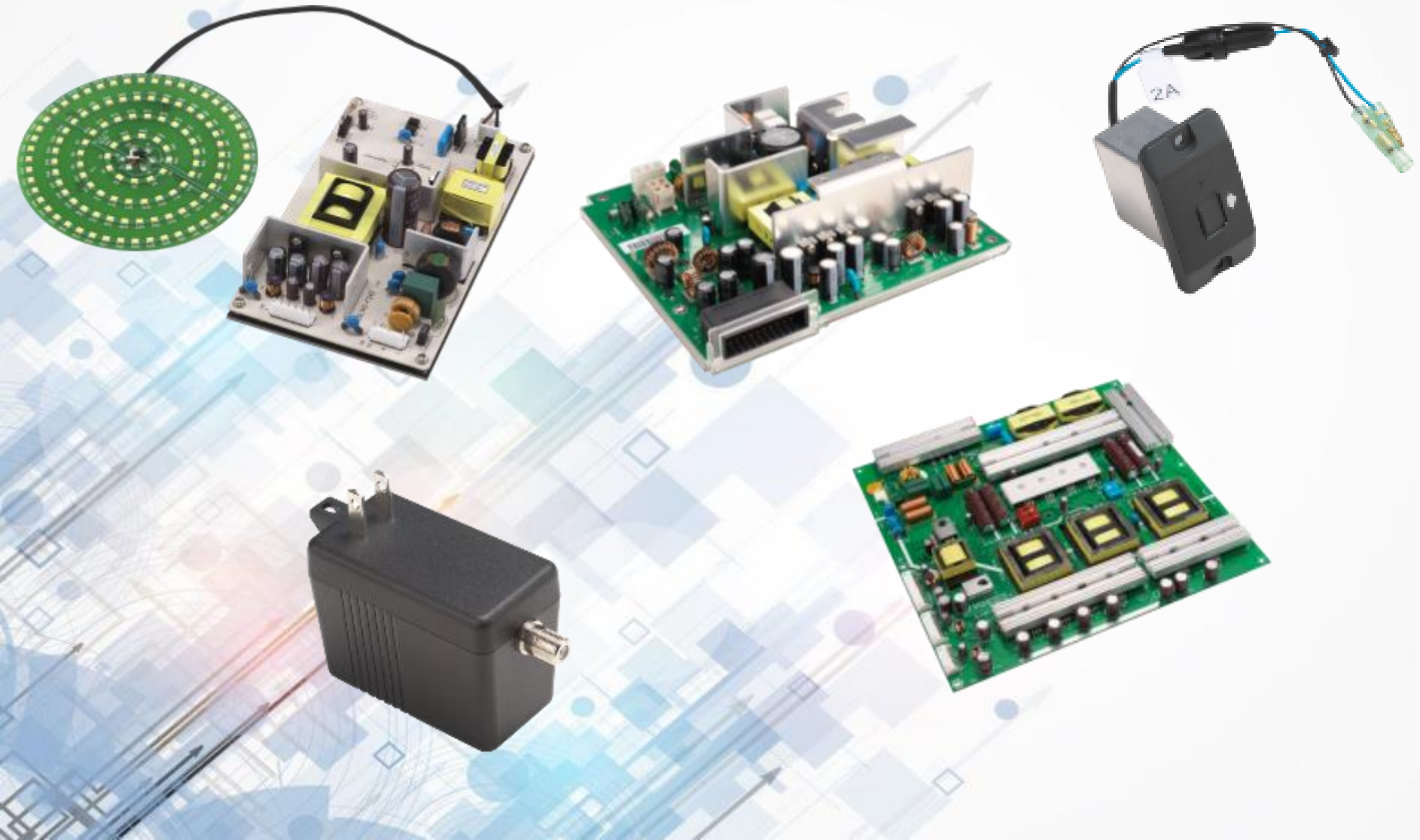
MEDICAL APPLICATION

- **Medical Hospital Bed**
- **Medical Grade All in One PC**
- **Dialysis Machine**
- **Medical Monitor**
- **Medical Printer**



SPECIAL APPLICATION

Customized Available



300W High Voltage Power Supply

- **Input Voltage: 100 ~ 240Vac**
- **Output: 75V / 4A**
- **Meet EN 60335-1**
- **Class II Design**
- **With C18 AC Socket**
- **Application:**
Electric Wheelchair (IBOT)



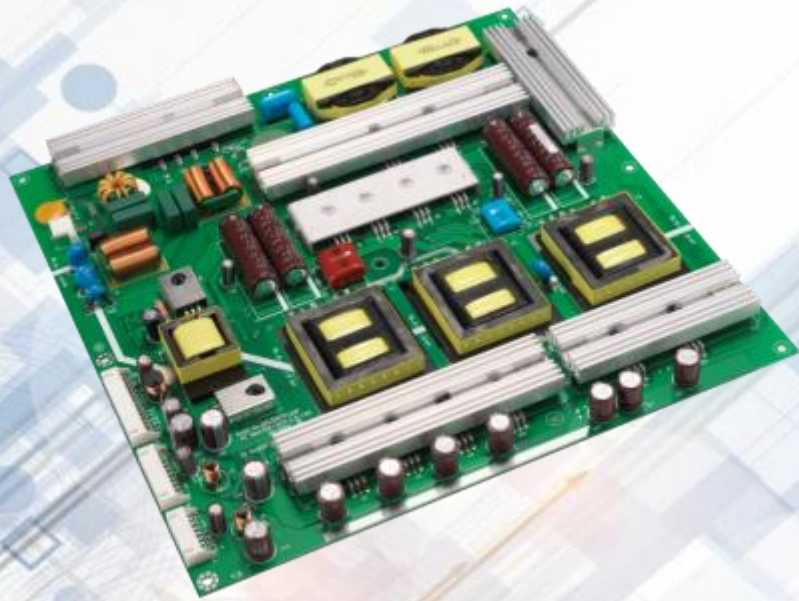
Gambling Machine

Open Frame Power Supply

- **Input Voltage: 100Vac**
- **Multiple Output, up to 338W**
- **OCP / OVP / OTP / SCP / UVP Design**
- **Dimension:**
192(L) x 182(W) x 60(H) mm
- **Application: Pachinko Slot**



350W Triple Output Open Frame Power Supply



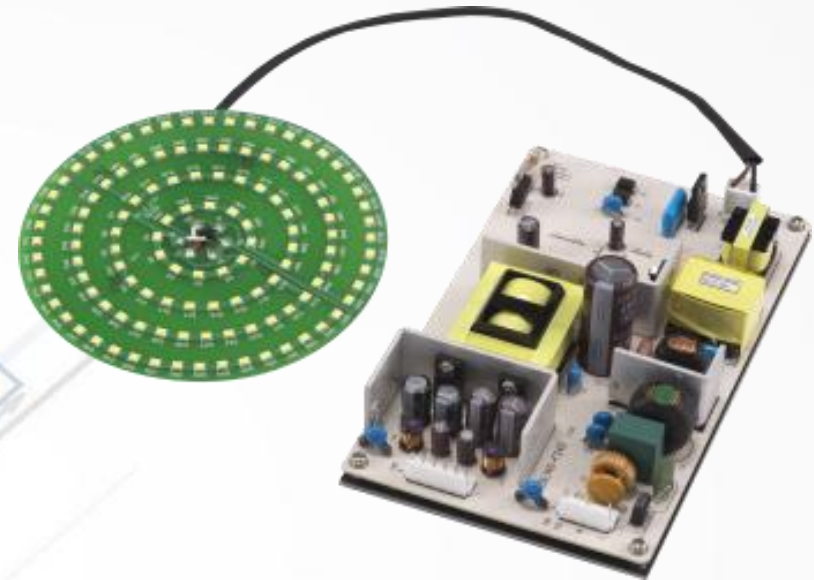
- **Input Voltage: 100 ~ 240Vac**
- **Output: (1) 24V / 10A**
(2) 12V / 8A
(3) 5V / 3A
- **Slim Type Design**
- **Dimension:**
250(L) x 250(W) x 15(H) mm
- **Application: 55 inch LCD TV**

Dialysis Machine Power Supply

- **Input Voltage: 100 ~ 240Vac**
- **Multiple Output, up to 431W**
- **Means of Protection:
2 X MOPP**
- **OCP / OVP / OTP / SCP Design**
- **Application: Dialysis Machine**



140W Integrated Open Frame Power Supply



- **Input Voltage: 100 ~ 240Vac**
- **Main Power (Dual Output)**
Output: 24V / 0.2~3A (Peak 4.5A / 15S max.)
8V / 0.2~4A
- **Total Power: 104W max.**
(Peak 140W@15s when LED Driver OFF)
- **LED Driver**
Output: 18V~170V/80mA (Constant Current)
- **5-Way Dimmer**
- **Dimension: 110(L) x 185(W) x 40(H) mm**
- **Application: Vending Machine**

Dimming Rate	Dimming Signal 1	Dimming Signal 2	ON / OFF
100%	High (24V)	High (24V)	Low (0~1V)
50%	Low (0~1V)	High (24V)	Low (0~1V)
25%	High (24V)	Low (0~1V)	Low (0~1V)
10%	Low (0~1V)	Low (0~1V)	Low (0~1V)
0%	---	---	High (24V)

10.5W DC-DC USB Charger



- **Input Voltage: 18 ~ 36Vdc**
- **Output: 5V / 2.1A**
- **CISPAR 25, EMI Standard for Automotive Industry**
- **With USB Port**
- **Application: Bus Charger**

1U Rack Mount 640W Dual Output Power Supply

- **IEC 60950-1 Approval**
- **Input Voltage: 100~240Vac**
- **Output: 24V / 16.67A & 48V / 5.0A**
- **Forced-Air Cooling**
- **Application: IPC**
- **Dimension: 12.7" x 2.1" x 1.6" (inch)**



NEW PRODUCT

45W USB Type-C P.D. Power Supply



- **Input Voltage: 100 ~ 240Vac**
- **Output :**
5V / 3A or 9V / 3A or 12V / 3A or
15 / 3A or 20V / 2.25A
(System control through CC1)
- **IEC / UL / EN 60950 Approval**
- **Meet Power Delivery 3.0**
- **Meet DoE Level VI**

NEW PRODUCT

65W USB Type-C P.D. Power Supply



- **Input Voltage: 100 ~ 240Vac**
- **Output :**
5V / 3A or 9V / 3A or 12V / 3A or
15 / 3A or 19V / 3.43A or 20V / 3.25A
(System control through CC1)
- **IEC / UL / EN 60950 Approval**
- **Meet Power Delivery 3.0**
- **Meet DoE Level VI**

NEW PRODUCT

60W Power Module



- **Input Voltage: 100 ~ 240Vac**
- **Output Voltage: 12V~48V Available**
- **Screwed Type & Pin Type**
- **Meet DoE Level VI**
- **Dimension:**



Screwed Type: 109(L) x 52(W) x 33.5(H)mm

Pin Type: 87(L) x 52(W) x 30.3(H)mm

NEW PRODUCT

210W I.T.E./Medical Dual Output Open Frame Power Supply



- **Input Voltage: 100 ~ 240Vac**
- **Output: 12V/12.5A & 5V/2A (160W without Fan)**
12V/16.7A & 5V/2A (210W with Fan) OR
24V/6.25A & 5V/2A (160W without Fan)
24V/8.30A & 5V/2A (210W with Fan) OR
48V/3.13A & 5V/2A (160W without Fan)
48V/4.17A & 5V/2A (210W with Fan)
- **With Fan Output**
- **With 5V/2A Standby & ON/OFF Remote Control**
- **Meet DoE Level VI**
- **Dimension: 3" x 5" x 1.5" (inch)**

NEW PRODUCT

305W I.T.E./Medical

Dual Output Open Frame Power Supply



- **Input Voltage: 100 ~ 240Vac**
- **Output: 12V/16.0A & 5V/1A (197W without Fan)**
12V/25.0A & 5V/1A (305W with Fan) OR
24V/10.4A & 5V/1A (255W without Fan)
24V/12.5A & 5V/1A (305W with Fan) OR
48V/5.21A & 5V/1A (255W without Fan)
48V/6.25A & 5V/1A (305W with Fan)
- **With Fan Output**
- **With 5V/1A Standby & ON/OFF Remote Control**
- **Meet DoE Level VI**
- **Dimension: 3" x 5" x 1.5" (inch)**

NEW PRODUCT

612W I.T.E./Medical Open Frame Power Supply



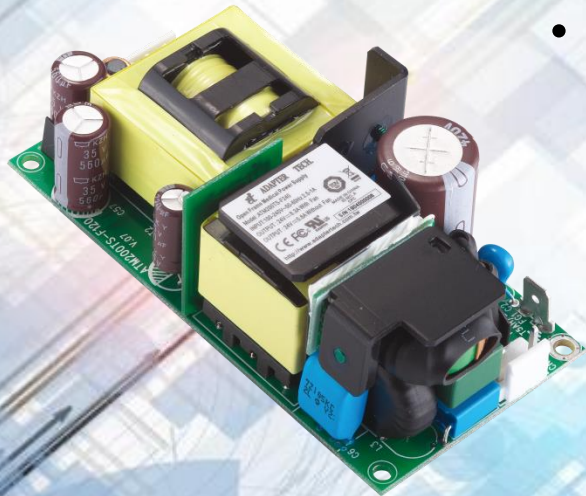
- **Input Voltage: 100 ~ 240Vac**
- **Output : 12V, 24V, 36V, 48V Available**
- **With 5V/1A Standby & ON/OFF Remote Control**
- **With 12V/0.6A For Fan**
- **Convection Cooling (Without Fan)**
- **Efficiency: 95% (Typical)**
- **Dimension: 5" x 8" x 1.6" (inch)**

NEW PRODUCT

200W I.T.E./Medical Open Frame Power Supply

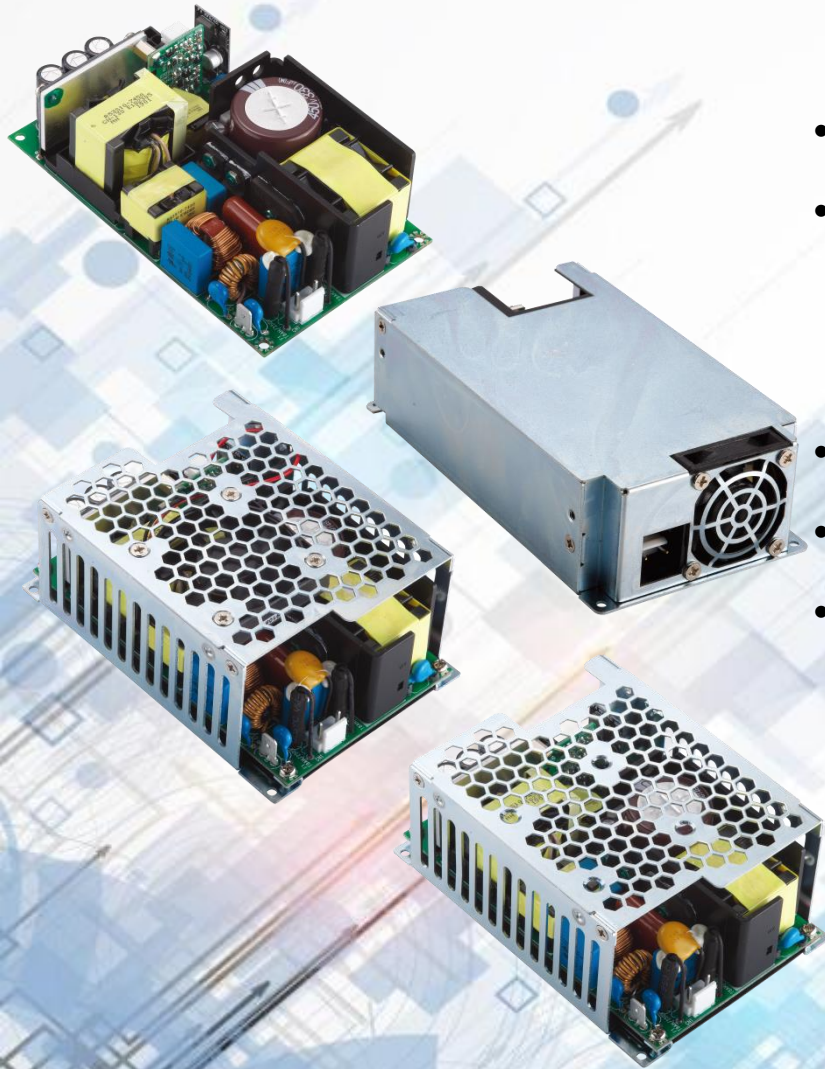


- **Input Voltage: 100 ~ 240Vac**
- **Output Voltage: 12V, 15V, 24V, 36V, 48V**
 - **Normal Output:140W**
 - **Up to 200W with Fan**
- **Meet DoE Level VI**
- **Dimension :**
 - **Open Type: 2" x 4" x 1.25" (inch)**
 - **Enclosed Type: 2.4" x 4.1" x 1.7" (inch)**



NEW PRODUCT

450W I.T.E./Medical Open Frame Power Supply



- **Input Voltage: 100~240Vac**
- **Output Voltage: 12V, 15V, 19V, 24V, 36V, 48V, 54V**
 - **Normal Output: 250W**
 - **Up to 450W with Fan**
- **With 5V/1A Standby & ON/OFF Remote Control**
- **With 12V/0.6A Output for Fan**
- **Dimension:**
 - **Open Type: 5" x 3" x 1.5" (inch)**
 - **Enclosed (Top Fan): 5" x 3.4" x 2.0" (inch)**
 - **Enclosed (Side Fan): 5.8" x 3.2" x 1.6" (inch)**

NEW PRODUCT

200W GaN FET Power Supply



- **Input Voltage: 100 ~ 240Vac**
- **Output Voltage: 12V, 15V, 18V, 19V, 20V, 24V, 48V, 56V**
- **Gallium Nitride Based FET Design**
- **Compact Power Stage Design:**
L150 x W54 x H33 mm
- **High Power Density: 12.5W/inch³**
250% higher than normal adapter (5.3W/inch³)
- **High Frequency Switching: 250KHz**
- **Lower Consumption than MOS FET**
- **High Circuit Reliability**
- **Efficiency: 95% (Typical)**

A word cloud centered around the English phrase "thank you" and "gracias". The words are rendered in various colors and sizes, representing translations in numerous languages including Spanish, German, French, Italian, Japanese, Hindi, and others. The words "thank you" and "gracias" are the largest and most prominent.

