

UNIVERSAL
MICROELECTRONICS
CO., LTD.

Investor Conference



(Stock Number : 2413)

2024/11/26



MAGNETIC



POWER



ICP



OPTICAL

- | | |
|----------|------------------------------------|
| 1 | Company Profile |
| 2 | UMEC Space Program |
| 3 | UMEC Redundant Power Supply |
| 4 | UMEC FMCW Radar/Sensor |
| 5 | Q & A |

- **INITIAL OPERATION :**

- » January 1984

- **EMPLOYEES :**

- » Taiwan — 750
 - » China — 1000
 - » Vietnam — 1000

- **CAPITAL :**

- » US\$43,209,000

- **INITIAL PUBLIC OFFERINGS:**

- » October 1998

- **ANNUAL SALES:**

- » US\$146,151,767 (2023)

- **PLANT FLOOR AREA :**

- » 35,000 m² ---- Taiwan HQ and Factory
 - » 72,200 m² ---- Shenzhen Factory
 - » 10,000 m² ---- Longyan Factory
 - ~~» 7,200 m² ---- Meizhou Factory~~
 - » 18,000 m² ---- Hanoi Factory



Headquarter
Taichung Taiwan



Taichung Factory



Shenzhen Factory



Meizhou Factory



Hanoi Factory

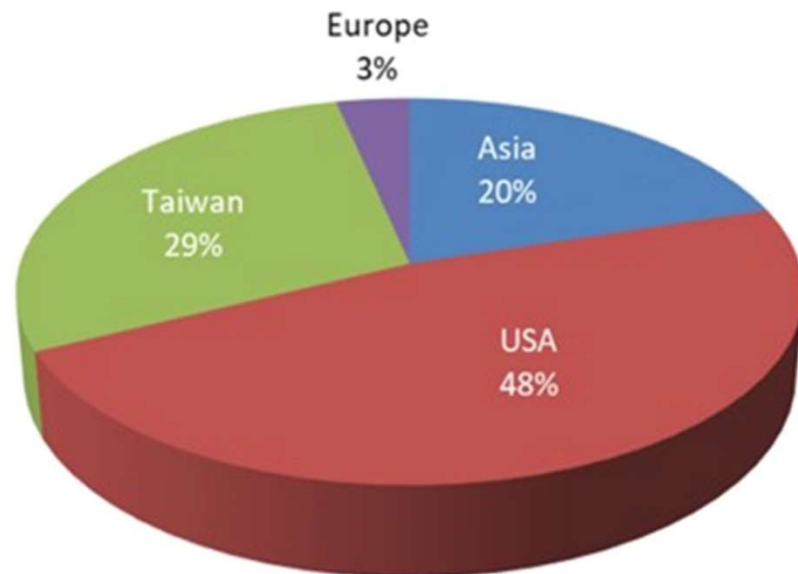


Longyan Factory

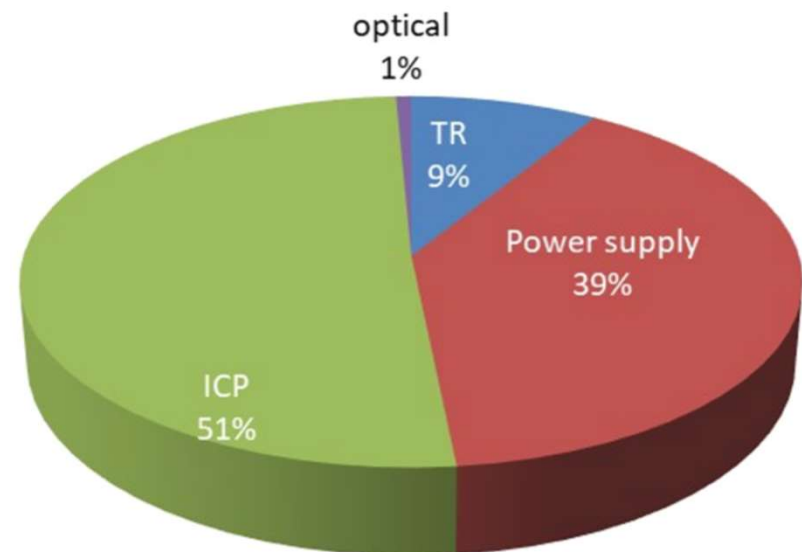


2023 ANNUAL SALES: US\$146,151,767.

By Territory



By Product Line



- High-reliability **DC-DC converters** used in LEO Communication Payload Computers, Satellite on board computers. NSPO-P-111532 (NTD: 17,350,000)



DC-DC converter
20V to 70V ,28Vo
112W

- High-reliability **5A & 10A EMI Filter** used in LEO Communication Payload Computers , Satellite on board computers. NSPO-P-111533 (NTD: 13,965,000)



EMI Filter
0V to 70V , 10A



EMI Filter
0V to 70V , 5A





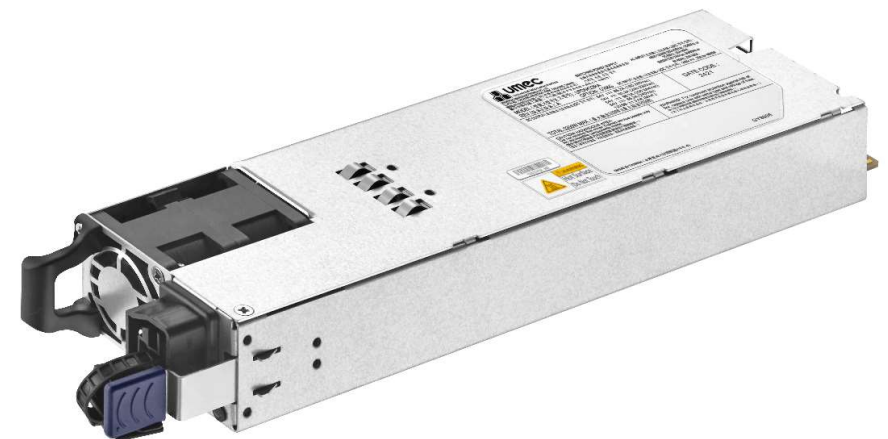
UMEC Redundant Power Supply



AI CRPS Redundant 12V/4.2KW & 54V/5.2KW

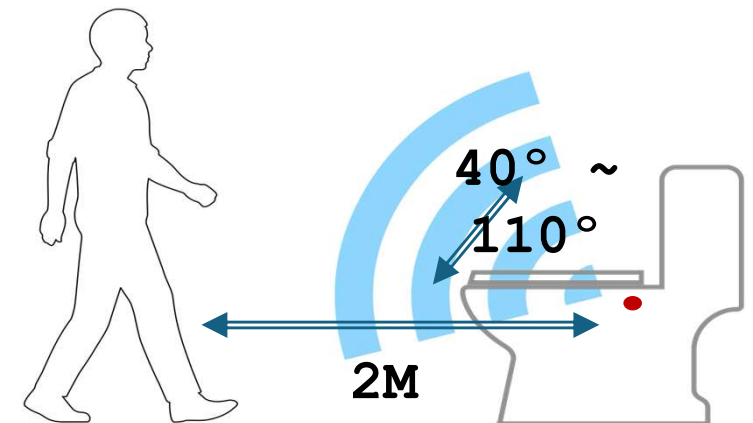
Main features

- 50-54V 1RU 19" power shelf
- Hot pluggable PSUs and PSC
- Current sharing between multiple shelves
- Wide input voltage range of 200 – 240 Vac
- Standard size: 265x73.5mm.



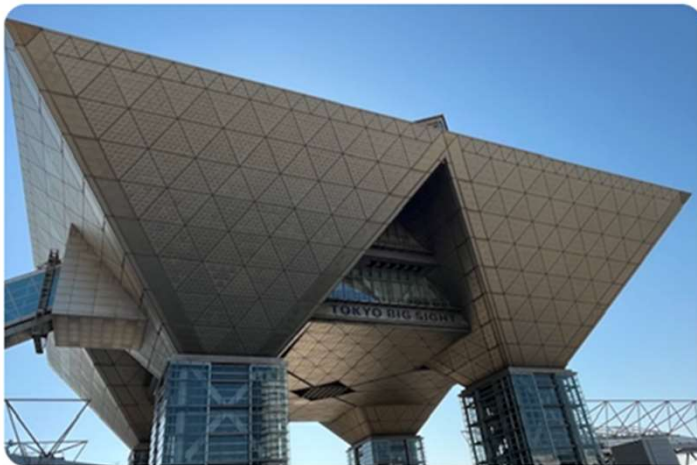
Smart Toilet Sensors

- Precision:
High-sensitivity radar technology ensures accurate detection of user proximity.
- Stability:
Adaptable to various environments (humidity, temperature, and light changes) for consistent performance.
- Seamless :
Embedded within the toilet design, offering a hidden integration with the ability to penetrate the outer casing for precise detection.



Human Presence Detection Sensors

- When a person enters the sensing area (about 7 Meters), the device will provide direction guidance via audio messages.
- Guide the visually impaired, the elderly, and foreigners to their destinations by audio.



Tokyo BIG SITE



JR Hokkaido - Sapporo Station

Bike Rear Warning System

- Up to 240 meters Detection Range.
- Ultra Low Power Consumption for 8 hours Riding.



MARKED SAFER FROM CARS!

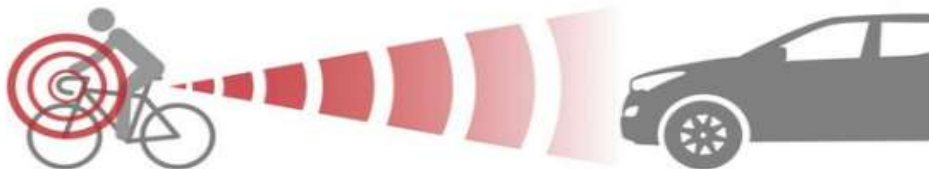


Car passing you

Car about 300ft behind you



How many cars
Difference in speed
Car's actual speed
Last car's speed



TREK CarBack Radar

- CarBack Bike Radar was introduced to the market in Q2 2024.
- New Radar project for TREK E-bike was granted.

DVR Sentry Start up Radar

- The DVR activated when a object intrudes into the warning range.
- Power saving for continuous surveillance.



Hundai/Kia

- Sentry mode Radar was first introduced to the market on Kia EV3 in Q3 2024.
- More than 20 models equipped UMEC radar will be launched in the next 3 years in worldwide markets.

Questions?

Thanks for Your Attention!