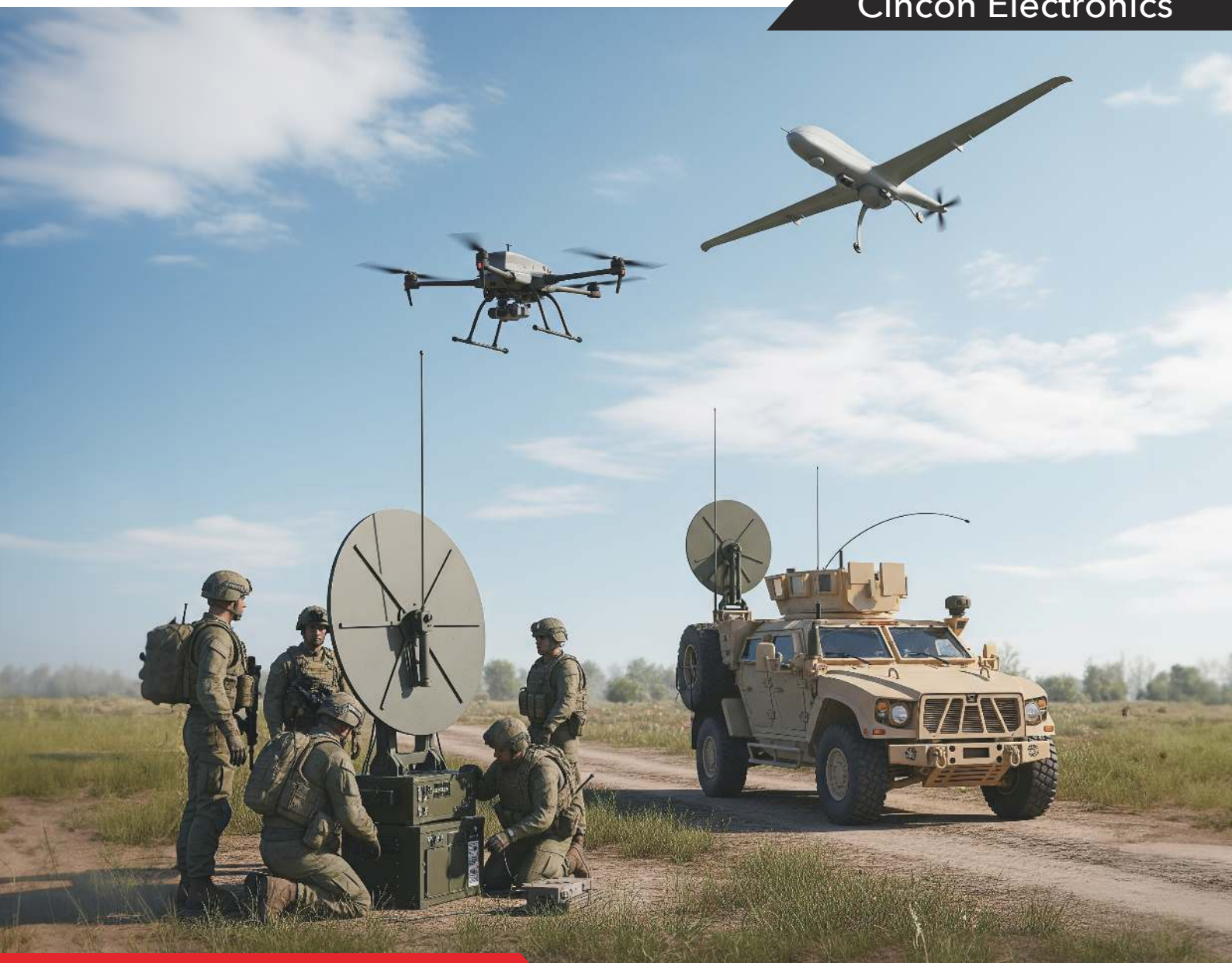
vitec POWER GmbH

CINCON

Defense Power Solutions

Cincon Electronics



Powering Your Ideas

Company profile

Established in Taiwan in 1991, Cincon boasts over 33 years of expertise in power supply design solutions. Our products include AC-DC power supplies and DC-DC power converters.

We specialize in creating compact, high-power-density power products, incorporating custom heat dissipation technologies. This ensures our products operate smoothly across a broad temperature range, delivering outstanding power conversion efficiency and maximizing reliability.

With in-house facilities such as the UL WTDP testing laboratory, the 3M compliant semi-anechoic test chamber, and HALT machines for product limitation & reliability testing and certification, we offer significant advantages to support our customers. This enables them to accelerate their development process.

Our R&D and FAE teams are dedicated to supporting customers by closely catering to the end-user and applications.This customer-centric approach has enabled us to support projects in deploying systems across diverse sectors including industrial automation, telecommunications, networking, automotive, healthcare, public transportation, instrumentation, and defense. With a global presence spanning five continents and represented by over 50 esteemed local agents and distributors, we serve a customer base of over 300 worldwide.

Our advantages

- 33+ years of power design expertise
- Providing customized services with standard quality
- High power density and excellent heat dissipation performance
- UL WTDP certification laboratory

3M Compliant Semi-Anechoic Test Chamber

Achievements in Advanced Technological Breakthroughs

1991 Establishment of the company

1992 Commenced design and manufacturing of DC-DC converters

1997 Initiated design and manufacturing of AC-DC power supplies

2000 Introduction of DC-DC brick power modules

2010 Launch of a complete series of railway application DC-DC converters

2011 Adoption of baseplate conduction cooling in AC-DC power supplies

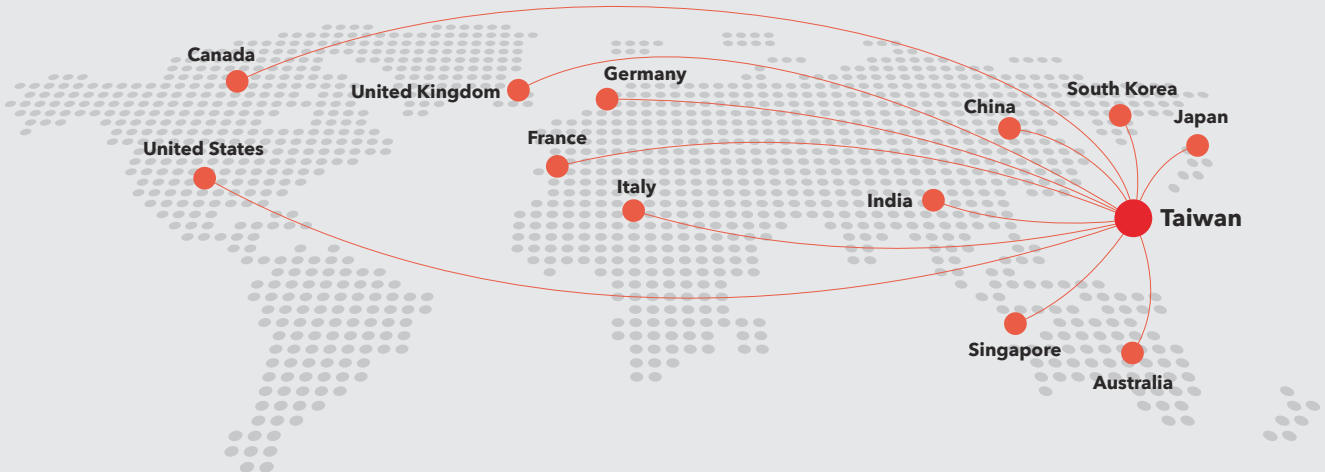
2012 Release of the first 8:1 wide-input DC-DC brick module

2013 Introduction of the world's first AC-DC brick module with built-in EMI filters

2017 Launch of AC-DC power supply series with peak power reaching 200%

2019 Introduction of the world's first 18:1 wide-input DC-DC module

2022 Release of high-efficiency, slim-profile AC-DC power supply series



DC-DC & AC-DC Power Solutions & Filters

DC-DC Converters

- Standard Models: -40°C to 105°C Operating Case Temp.
- M2 Option (Green) : -55°C to 105°C Operating Case Temp.


Fire & Smoke Protection


Shock & Vibration MIL-STD-810F


Baseplate-Cooled


-55°C Operation

Input Range 2:1 & 4:1

Input Voltage (Range)	Case Size	Output Voltage (V) and Max Power (W)										
		3.3V	5V	12V	15V	24V	28V	32V	36V	48V	54V	56V
24Vdc (9-36Vdc 9-40Vdc 18-36Vdc)	2" x 1" pin out	49.5W	60W 75W	60W 75W	60W 75W							
	1/8 Brick		100W	100W		100W				100W	100W	
	Quarter Brick	100W	150W	150W	100W 150W	150W 200W	150W 200W			150W		
	Half Brick	231W	350W	350W 500W	300W	350W 500W	350W 500W			350W 500W	500W	
	Full Brick		400W	600W		600W	800W	600W		600W		800W
48Vdc (16.5-74Vdc 18-75Vdc 36-75Vdc)	2" x 1" pin out	49.5W	60W	60W	60W							
	1/8 Brick		100W	100W		100W				100W	100W	
	Quarter Brick	100W	150W	150W	100W 150W	150W	150W			150W		
	Half Brick	231W	350W	350W 500W	300W	350W 500W	350W 500W			350W 500W		
	Full Brick		400W	600W		600W	600W	600W		600W		
110Vdc (43-160Vdc 60-160Vdc)	2" x 1" pin out	33W	40W	40W	40W							
	Quarter Brick	99W	150W	150W	150W	150W	150W			150W		
	Half Brick	198W	300W	300W	100W	300W	300W			300W		
	Full Brick			600W		600W	600W			600W		
300Vdc (180-425Vdc 180-450Vdc 200-425Vdc)	Quarter Brick	49.5W	75W 150W	75W 150W	75W 150W	75W 150W	150W			75W 150W		
	Half Brick		300W	300W		300W	300W			300W		
	Full Brick			750W 1500W	750W 1500W	750W 1500W	750W 1500W		750W 1500W	750W 1500W		

Input Range 8:1, 12:1 & 14:1

Input Voltage (Range)	Case Size	Output Voltage (V) and Max Power (W)										
		3.3V	5V	12V	15V	24V	28V	32V	36V	48V	54V	56V
36Vdc (9-75Vdc)	Quarter Brick		100W 150W	50W 75W 100W 150W	50W 75W 100W 150W	50W 75W 100W 150W	50W 75W 100W 150W			50W 75W 100W 150W	100W 150W	
	Half Brick			150W	150W	150W	150W			150W		
72Vdc (14-160Vdc)	Quarter Brick		30W	50W		50W				50W		
	Half Brick		150W	150W 200W	150W 200W	150W 200W				150W 200W		
72Vdc (12-160Vdc)	Half Brick		75W 100W 150W	75W 100W 150W	75W 100W 150W	75W 100W 150W	75W 100W 150W				75W 100W 150W	

Filters

Compliance to MIL-STD-461(F, G)


MIL-STD-461 (F, G)


Shock & Vibration MIL-STD-810F


Baseplate-Cooled


-55°C Operation

Input Voltage (Range)	Case Size	Output Current (A)
75Vdc Max.	Eighth Brick	10A Max.
	Quarter Brick	20A Max.

AC-DC Power

- Built-in Filter
- PDF700S-CMFD (-P) Compliant with MIL-STD-461 CE102 / RE101
- PDF700B-CMFD (-P) Compliant with MIL-STD-461 CE101 / CE102 / RE101


MIL-STD-461 (F, G)


Shock & Vibration MIL-STD-810F


Baseplate-Cooled

Input Voltage (Range)	Case Size	Output Voltage (V) and Max Power (W)										
		3.3V	5V	12V	15V	24V	28V	32V	36V	48V	54V	56V
90-264Vac	Chassis 9.45 x 4.33 (Inch)			700W		700W	700W			700W		700W