TAICON Corporation (Headquarters)

4 F., No. 9, Sec. 1, Chang An E. Rd., Zhongshan Dist.,
Taipei City 104, Taiwan
+886 2 25316366

TAICON Corporation (RD Center)

No. 357, Xinxing Rd., Xinfeng Township,
Hsinchu County 304, Taiwan
+886 3 5573426

Dongguan TAICON Electronics Corporation

Zhaolin Yandong Industrial City, Xiegang Town,
Dongguan City, Guangdong Province. China
+86 769 89766118

Suzhou Wujiang TAICON Corporation

Room 301, Building 2, No. 88 Sanxing Road,
Wujiang Economic & Technological Development Zone,
Suzhou City, Jiangsu Province. China
+86 512 66360772

TAICON Technology Corporation

4 F., No. 9, Sec. 1, Chang An E. Rd., Zhongshan Dist.,
Taipei City 104, Taiwan
+886 2 25316366 # 200

sales@taicon.com
www.taicon.com/en

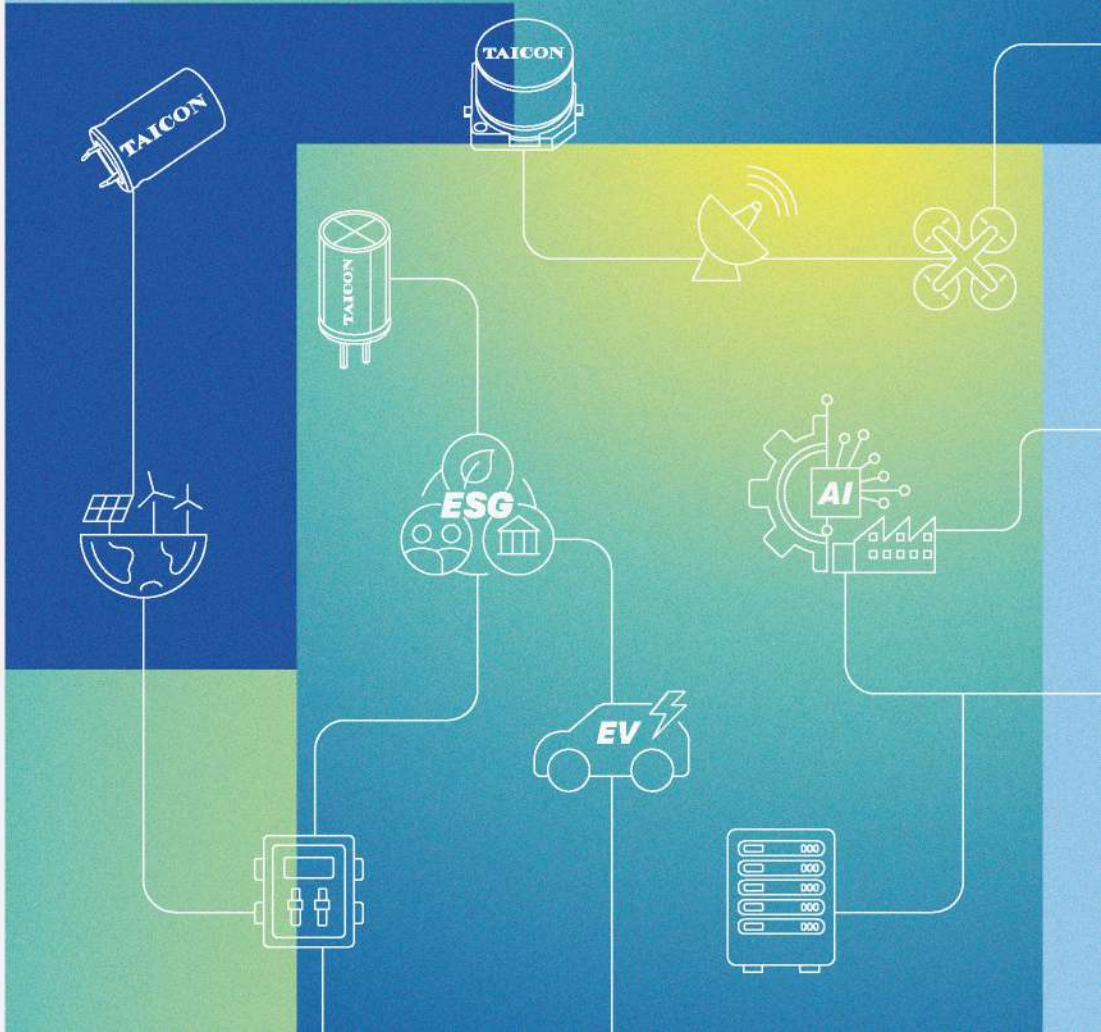
Taiwan's First and Finest Capacitor Manufacturer

RoHS compliant · REACH · HF

TAICON

Aluminum Electrolytic Capacitors

Conductive Polymer Aluminum Solid Capacitors



To Be the World's Most Reliable

Capacitor Partner

58 yrs of Trusted Quality
Taiwan's longest-standing manufacturer.

Backed by Nichicon
robust technical support since co-founded.

Premium Materials
by our electrolyte lab and Japan-Based Supply Chain.

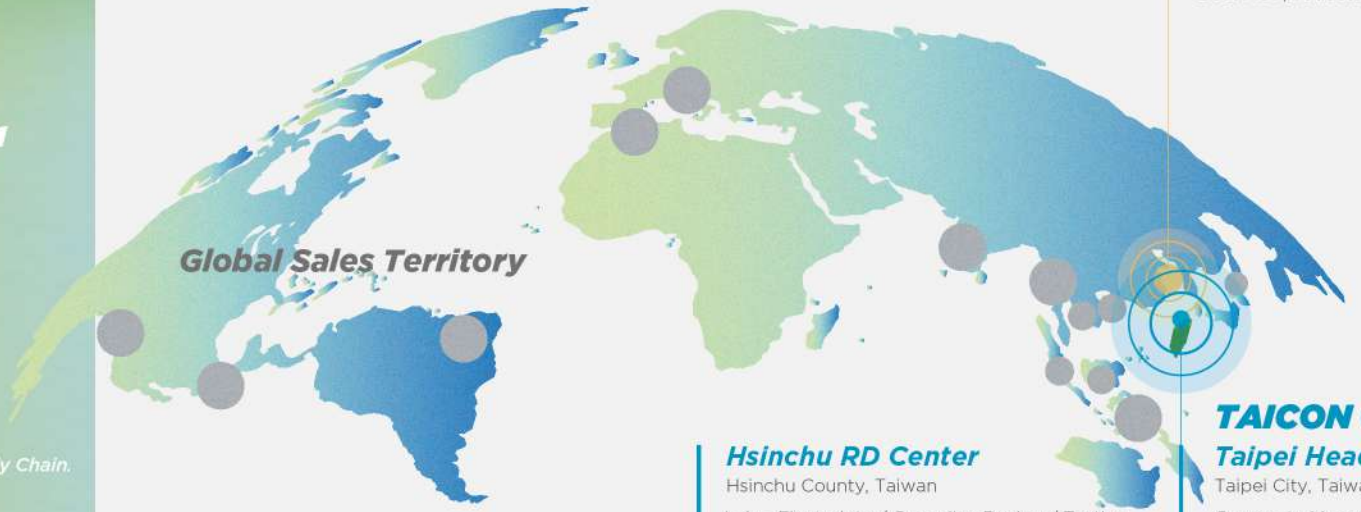
Advanced Manufacturing
proprietary AI+AOI+MES full-process deployed.

Since 1969, TAICON has specialized in Aluminum Electrolytic Capacitors.

Anchored in Japanese craftsmanship and accelerated by Taiwan's technology iteration, we provide agile, tailored solutions that empower our partners' success.

' Empowering a Sustainable Future Together ' is TAICON's lifelong commitment — now proven through our ESG, ISO 14064, ISO 14067 achievements.

Chairman
John CE Huang



Dongguan TAICON Electronics Corporation
Manufacturing (1996~)

Dongguan City, Guangdong Prov., China
E-Cap: Radial / Snap-in / V-chip / Polymer

Suzhou Wujiang TAICON Corporation
BD & FAE (2002 ~)

Suzhou City, Jiangsu Prov., China
BU1: E-Cap (domestic)
BU2: AOI products / Autonomous Life-Test

Hsinchu RD Center
Hsinchu County, Taiwan
Lab – Electrolyte / Capacitor Design / Testing

TAICON Co., Ltd
Taipei Headquarters (1969~)
Taipei City, Taiwan
Corporate Management / ESG Program
Global Business Development

TAICON Tech. Co., Ltd.
AI Product Development (2021~)
Taipei City, Taiwan
AOI / Autonomous Life Test
R&D Software / Mechatronics



About TAICON

Nichicon JP
Shihlin Electric TW
Joint Venture Company & Main Shareholder

1.6 B/Y

500+ Employees



ISO 14064-1 · ISO 14067 · ISO 45001 · ISO 14001

ISO 9001 · IECQ QC 080000 · ITAF 16949 : 2016 CERTIFIED COMPANY — QC 080000 · IATF 16949

Certifications

View complete Quality Certifications & Patents on website

TAICON
E-Cap Product Range

Specializing in long-life, miniaturized and high performance capacitor solutions, we serve tier-one electronics manufacturers worldwide.

- Rated Voltage: 2.5V - 600V
- Temperature Range: -55°C - +135°C
- Endurance: Up to 20000 hrs @105°C



Conductive Polymer Aluminum Solid Capacitors



SMD Type



Radial Type

	SMD Type	Radial Type
Rated Voltage	2.5V ~ 80V	2.5V ~ 80V
Temperature Range	-55°C ~ +125°C	-55°C ~ +125°C
Capacitance Range	47μF ~3,300μF	4.7μF ~4,700μF
Size Range	Φ4 ~ Φ10	Φ4x5 ~ Φ10x20
Load Life	1,000 hrs ~ 5,000 hrs	1,000 hrs ~ 5,000 hrs

Aluminum Electrolytic Capacitors



SMD Type



Radial Type



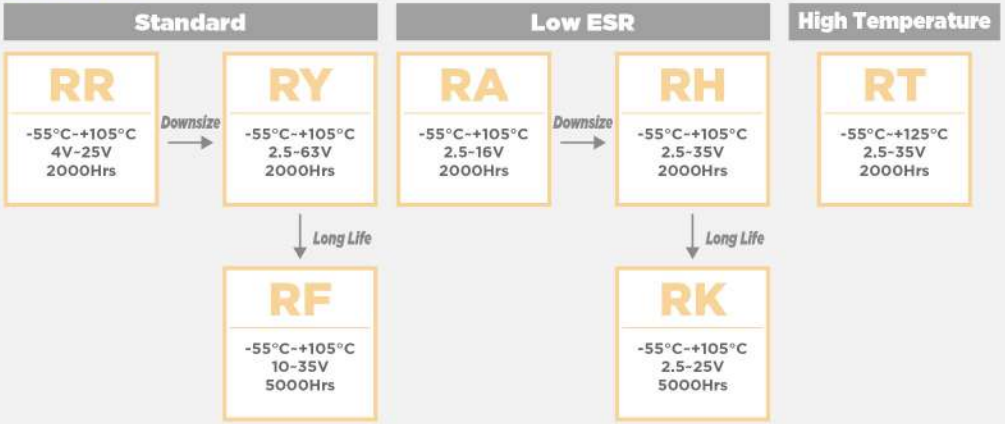
Snap-In

	SMD Type	Radial Type	Snap-In
Rated Voltage	6.3V ~ 450V	6.3V ~ 600V	10V ~ 550V
Temperature Range	-55°C ~ +125°C	-55°C ~ +135°C	-40°C ~ +105°C
Capacitance Range	0.47μF ~ 4700μF	0.47μF ~ 18,000μF	47uF ~3,300 μF
Size Range	Φ4x5.4 ~ Φ18.5x16.5	Φ4x5 ~ Φ22x50	Φ22x25 ~ Φ40x105
Load Life	1,000 hrs ~ 5,000 hrs	1,000 hrs ~ 20,000 hrs	2,000 hrs ~ 10,000 hrs

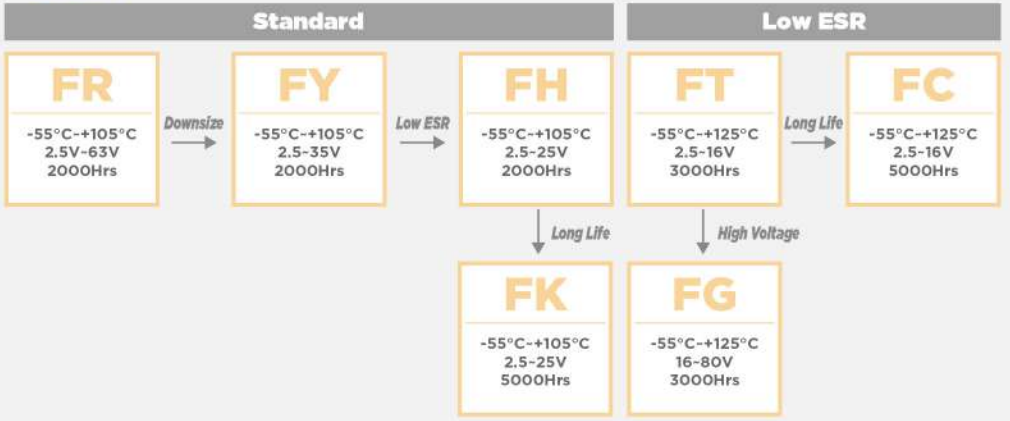
Conductive Polymer Aluminum Solid Capacitors

Designed for DC-DC converters, voltage regulation, and decoupling applications, featuring ultra-low ESR and excellent stability.

Radial



SMD



Featured Application Solutions



Industrial & Power Supplies

Reliable capacitors designed for industrial automation, power supplies, and renewable energy systems.

Automotive

High-reliability capacitors designed for electric vehicles, onboard electronics, and automotive power systems.



Telecommunications & Data Center

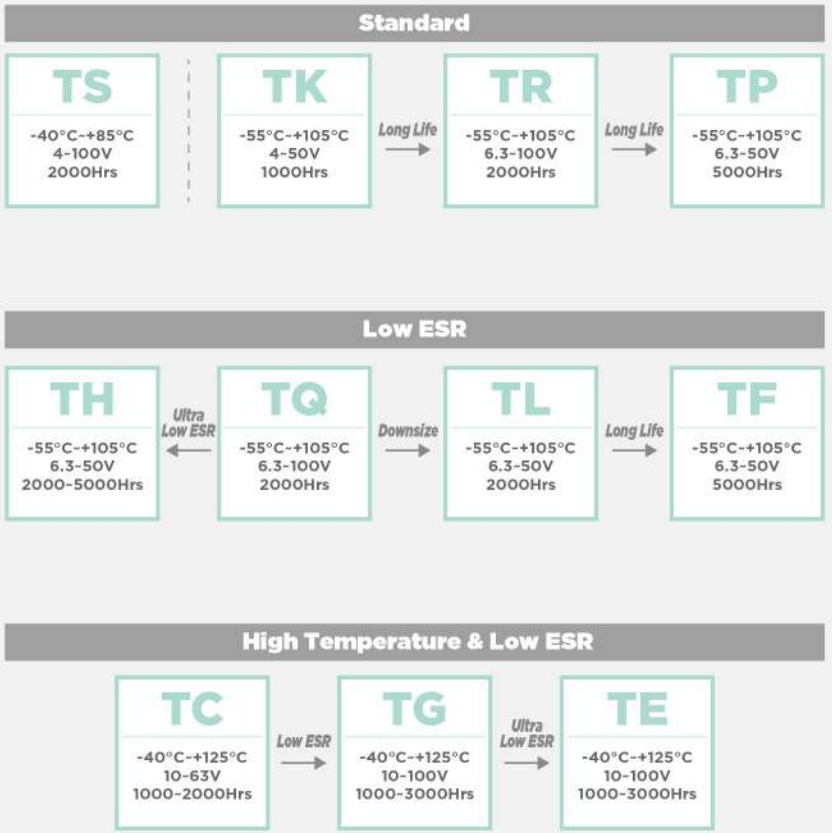
Low-ESR, high-ripple current capacitors designed for servers, networking equipment, and AI data centers.

Consumer Electronics

Compact, reliable capacitors designed for consumer electronics, home appliances, and smart devices.

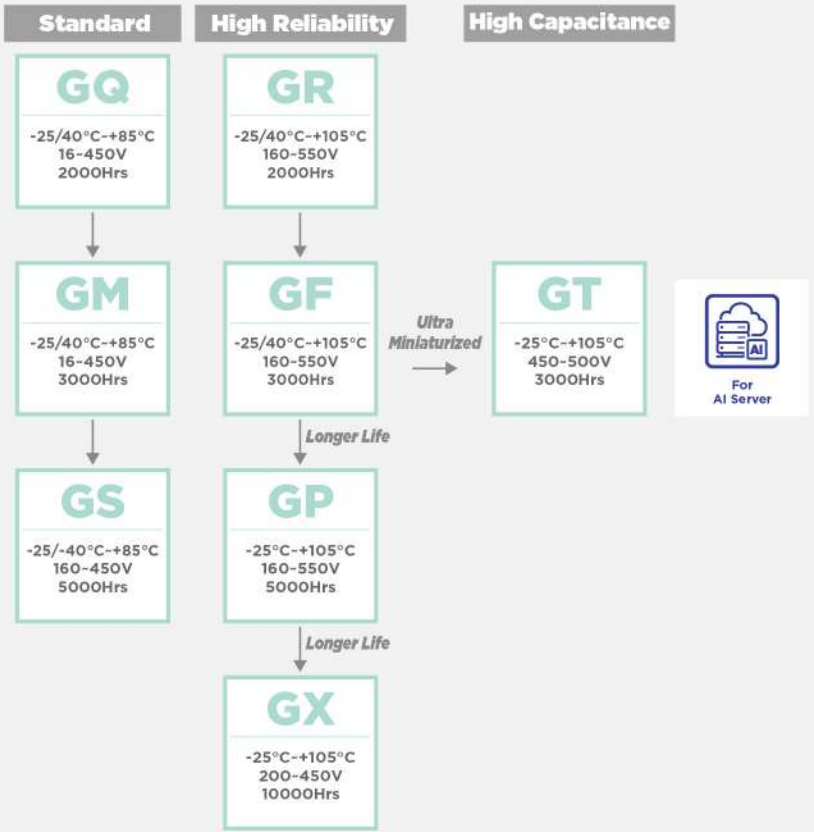
Aluminum Electrolytic Capacitors Chip

Designed for high-density PCB applications in telecommunications, automotive, industrial, and consumer electronics



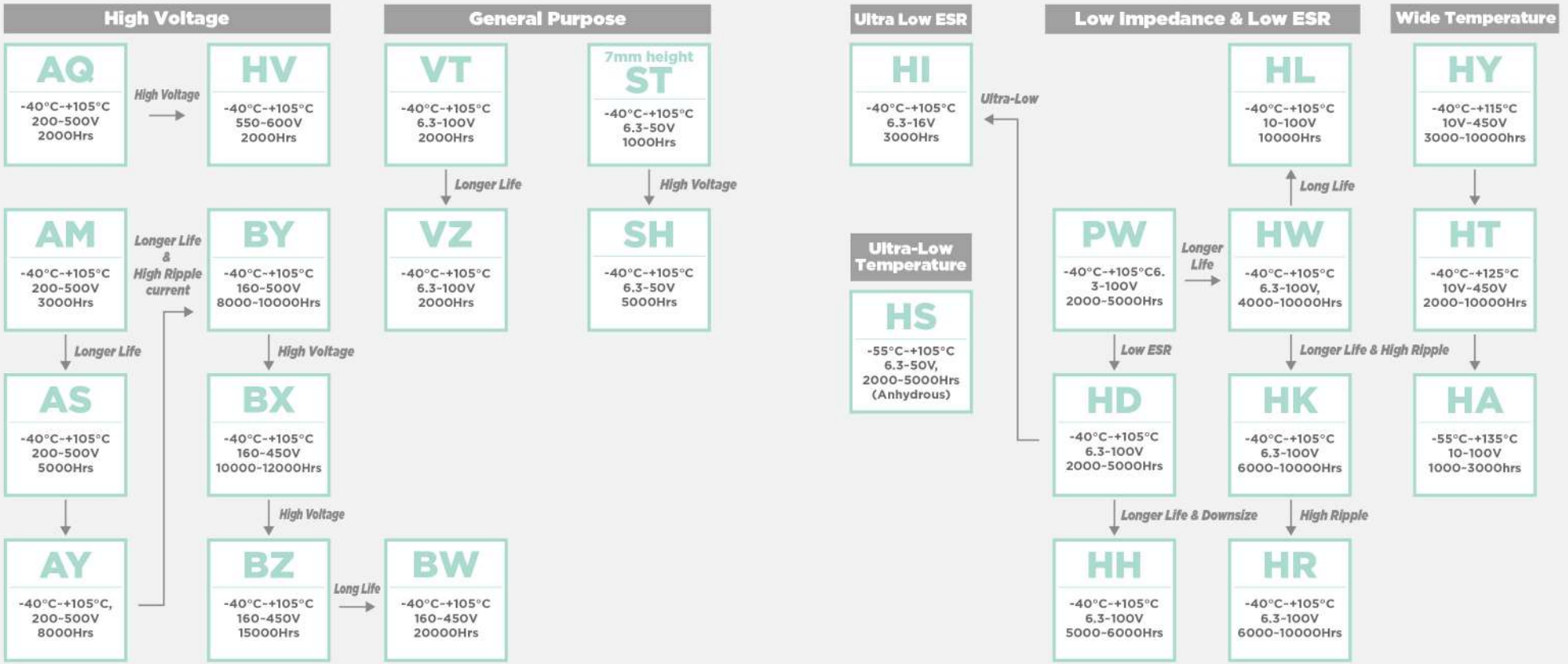
Aluminum Electrolytic Capacitors Snap-in

Designed to serve power supplies, industrial equipment, renewable energy systems, and EV charging infrastructure.



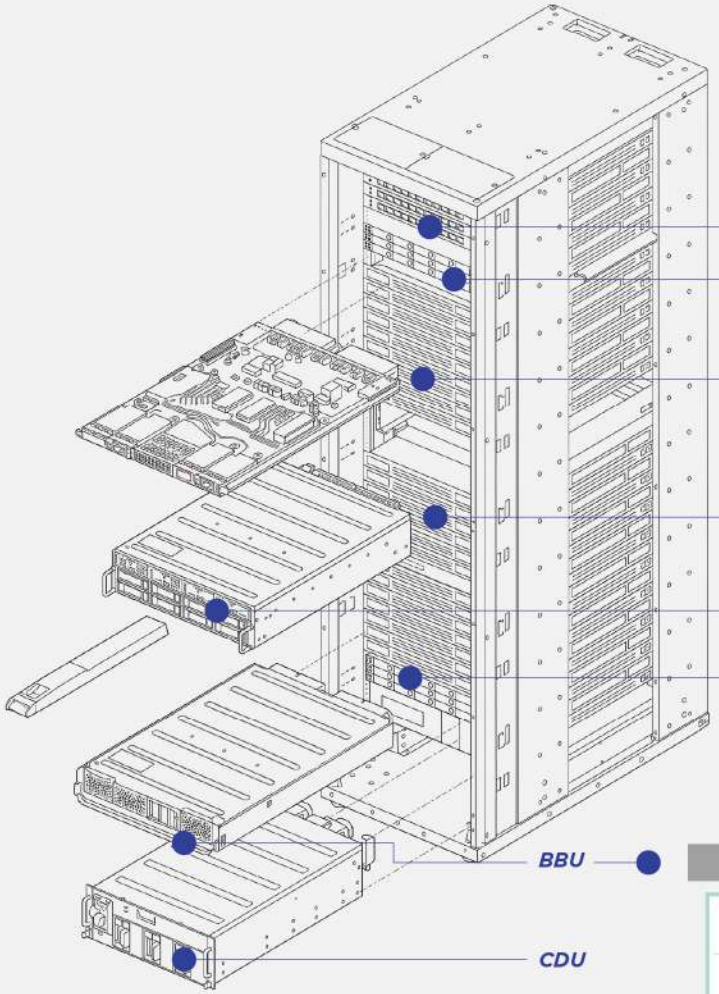
Aluminum Electrolytic Capacitors
Radial

Designed for versatile and robust applications, featuring exceptionally reliable performance, long service life, low ESR, and an ultra-wide temperature range.



AI Server Rack Configuration

TAICON delivers high-performance aluminum electrolytic capacitors for AI servers, networking, telecommunications, and data centers. With high capacitance, low ESR, and high ripple current capability, our solutions ensure reliable power for next-generation AI infrastructure.



Compute Trays

Chip Aluminum E-Cap

TE	TH
-40 ~ +125°C 10-100v 1000-3000H (Lower ESR)	-55 ~ +105°C 6.3-50v 2000-5000H (Long Life,Lower ESR)

Conductive Polymer Solid E-Cap

FK	FC
-55°C~+105°C 2.5-25V 5000Hrs	-55°C~+125°C 2.5-16V 5000Hrs

Switch Trays

Conductive Polymer Solid E-Cap

Radial

RT	RK	RF
-55°C~+125°C 2.5-35V 2000Hrs	-55°C~+105°C 2.5-25V 5000Hrs	-55°C~+105°C 10-35V 5000Hrs

SMD

FC	FG	FK
-55°C~+125°C 2.5-16V 5000Hrs	-55°C~+125°C 16-80V 3000Hrs	-55°C~+105°C 2.5-25V 5000Hrs

HR
High Ripple Current

Low Impedance

Power Supply

Radial

BX
-40 ~ +105°C 160-450v 10000H-12000H

High Voltage

Snap-In

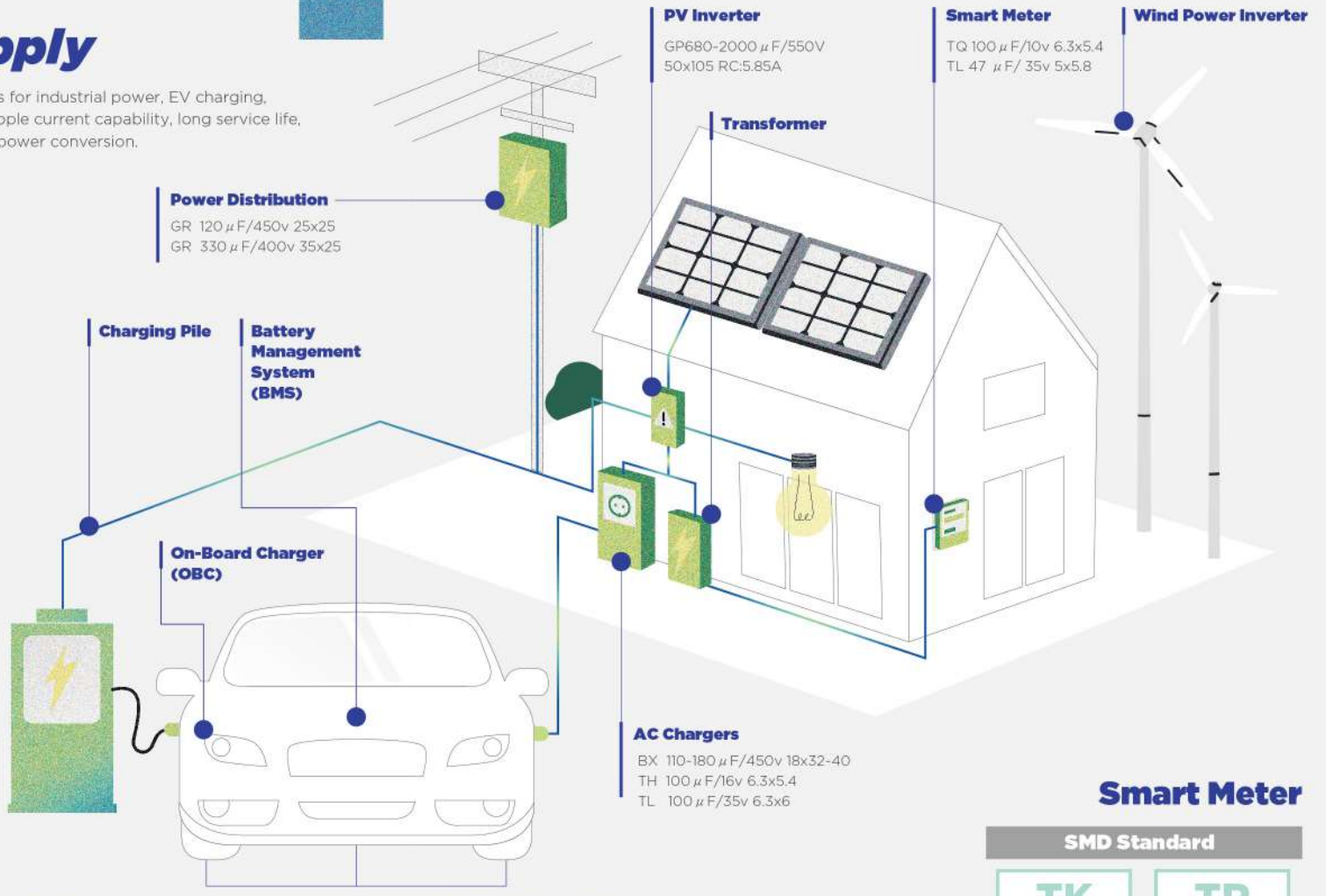
GP	GX	GT
-25°C~+105°C 160-550V 5000Hrs	-25°C~+105°C 200-450V 10000Hrs	-25°C~+105°C 450-500V 3000Hrs

High Voltage

100 Million Charge

Industrial Power Supply

TAICON provides high-reliability aluminum electrolytic capacitors for industrial power, EV charging, renewable energy, and smart grid applications. Delivering high ripple current capability, long service life, and excellent reliability, our solutions ensure stable and efficient power conversion.



Snap-In

GR	GP
-40 ~ +105°C 160~550v 2000H	-25 ~ +105°C 160~550v 5000H

Radial High Voltage

BY	BX
-40 ~ +105°C 160~500v 8000~10000H	-40 ~ +105°C 160~450v 10000~12000H (Long Life)

Radial Low ESR

HH	HK
-40 ~ +105°C 6.3~100v 5000~6000H	-40 ~ +105°C 6.3~100v 6000~10000H (Long Life,High Ripple)

SMD Standard

TH	TG	TL
-55 ~ +105°C 6.3~50v 2000~5000H (Long Life,Lower ESR)	-40 ~ +125°C 10~100v 1000~3000H (Long Life)	-55 ~ +105°C 6.3~50v 2000H (Ultra Low ESR downsize)

EV Charging

Snap-In

GF	GP
-40 ~ +105°C 160~550v 3000H	-25 ~ +105°C 160~550v 5000H

SMD LOW ESR

TQ	TL
-55 ~ +105°C 6.3~100v 2000H (Low ESR)	-55 ~ +105°C 6.3~50v 2000H (Ultra Low ESR downsize)

Radial Long Life

BY	BX
-40 ~ +105°C 160~500v 8000~10000H	-40 ~ +105°C 160~450v 10000~12000H (Long Life)

EV Charging Infrastructure

Large power rating & fast charging
Capable of integration with renewable engine.
Series: GF / GP 3 pins / BX / BY / TF / TE / TH

OBC 11kW & 22kW

Featured with high-temperature resistance, high ripple current capability, and long service life.
Series: BX / TQ / TL / TF / TH

Smart Meter

SMD Standard

TK	TR
-55 ~ +105°C 4~50v 1000H	-55 ~ +105°C 6.3~100v 2000H

SMD Long Life

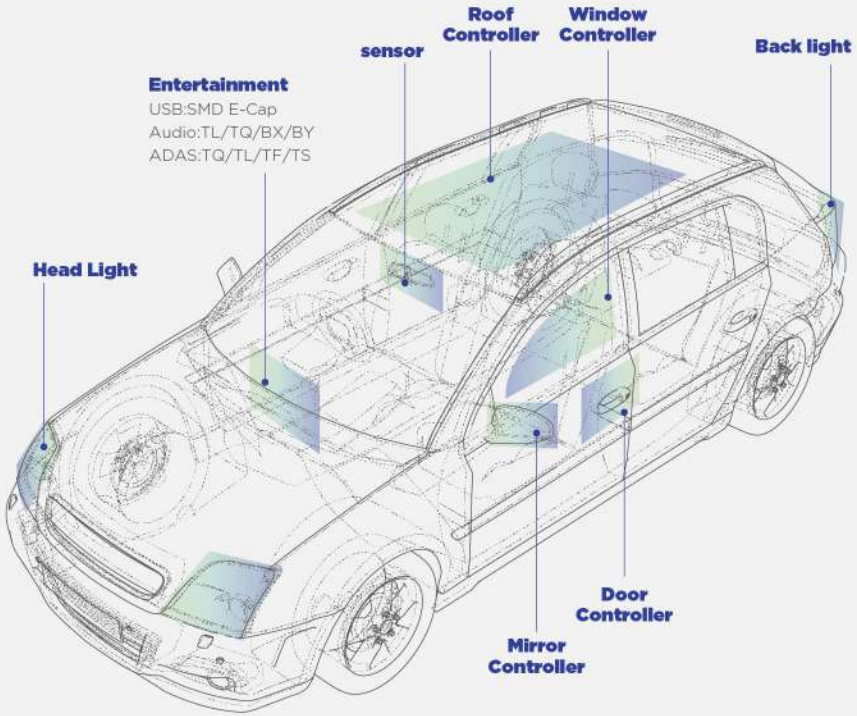
TF	TH
-55 ~ +105°C 6.3~100v 5000H	-55 ~ +105°C 6.3~50v 2000~5000H (Long Life,Lower ESR)

SMD LOW ESR

TQ	TL
-55 ~ +105°C 6.3~100v 2000H	-55 ~ +105°C 6.3~50v 2000H (Ultra Low ESR downsize)

Automotive

TAICON provides high-reliability aluminum electrolytic capacitors for automotive electronics. Featuring long service life, high-temperature endurance, and excellent reliability, our solutions support next-generation vehicles.



SMD Standard

TK	TR
-55 ~ +105°C 4~50v 1000H	-55 ~ +105°C 6.3~100v 2000H

SMD High Temperature

TG	TE	TC
-40 ~ +125°C 10~100v 1000~3000H (Long Life)	-40 ~ +125°C 10~100v 1000~3000H (Lower ESR)	-40 ~ +125°C 10~63v 1000~2000H

SMD LOW ESR

TQ	TL
-55 ~ +105°C 6.3~100v 2000H	-55 ~ +105°C 6.3~50v 2000H (Ultra Low ESR downsize)

SMD Long Life

TF	TH
-55 ~ +105°C 6.3~100v 5000H	-55 ~ +105°C 6.3~50v 2000~5000H (Long Life,Lower ESR)

Power Supply & Home Appliance Applications

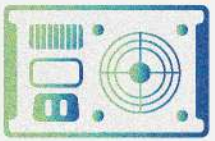
Miniature

High Customized

TAICON provides reliable aluminum electrolytic capacitors for power supplies, home appliances, consumer electronics, and industrial control boards. Featuring low ESR, high ripple current capability, long service life, and excellent reliability, our solutions ensure stable, efficient power across a wide range of everyday applications.

AI server PSU: 3.2kW-12kW
Server PSU: 300W-2.2kW

ATX & Industrial PSU:250W-2000W
Adapter & Charger: 5W-500W



Server PSU



Power Adapter



Game Console



Power Solution for High-Performance Mini PCs

Radial Low ESR

HH	HK
-40 ~ +105°C 6.3~100v 5000~6000H	-40 ~ +105°C 6.3~100v 6000~10000H (Long Life,High Ripple)

Radial High Voltage

AM	AS	BY
-40 ~ +105°C 160~500v 3000H	-40 ~ +105°C 160~500v 5000H	-40 ~ +105°C 160~500v 8000~10000H (Long Life)

Polymer Radial

RY	RF
-55 ~ +105°C 2.5~63v 2000H	-55 ~ +105°C 10~35v 5000H

Snap-In

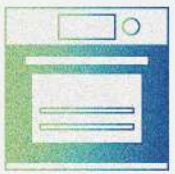
GR	GF
-40 ~ +105°C 160~550v 2000H	-40 ~ +105°C 160~500v 3000H

Application:Inverter & Control Board

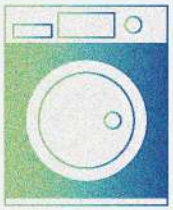
Air Conditioner



Dish Washer



Washing Machine



Refrigerator

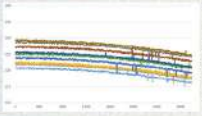
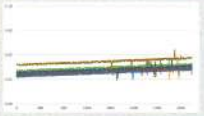
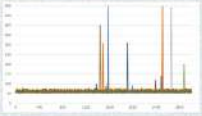
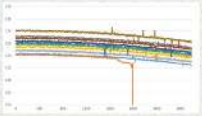
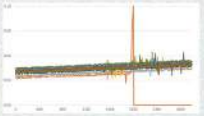
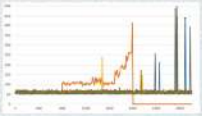
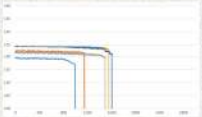
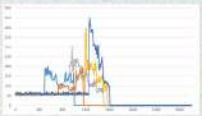


Digital Quality Assurance Lab

World's Only Autonomous Life Test —
to ensure exceptional reliability of capacitors in any extreme environment.

Real-time Data → Factual Performance Records

Case study: An analysis of same-spec e-caps with different sources and materials.
Test parameters: 105°C, DC 450V, Ripple Current applied

Pencil type 450V 120uF	Capacitance (uF)	Tangent of Loss Angle (tanδ)	Leakage Current (uA)
A Brand all passed			
B Brand 1 failed			
2 Electrolyte Comparison			

Intelligent Data Insights → Proprietary Premium Electrolyte

TAICON capacitor experts-engineered Inspection Equipment & Analysis Platform.

Electrolyte Lab	Data-driven R&D of formulation. Verify performance via simulated application conditions.
Manufactory	Accelerate design validation and mass production. Eliminate human error and relieve QC manpower.

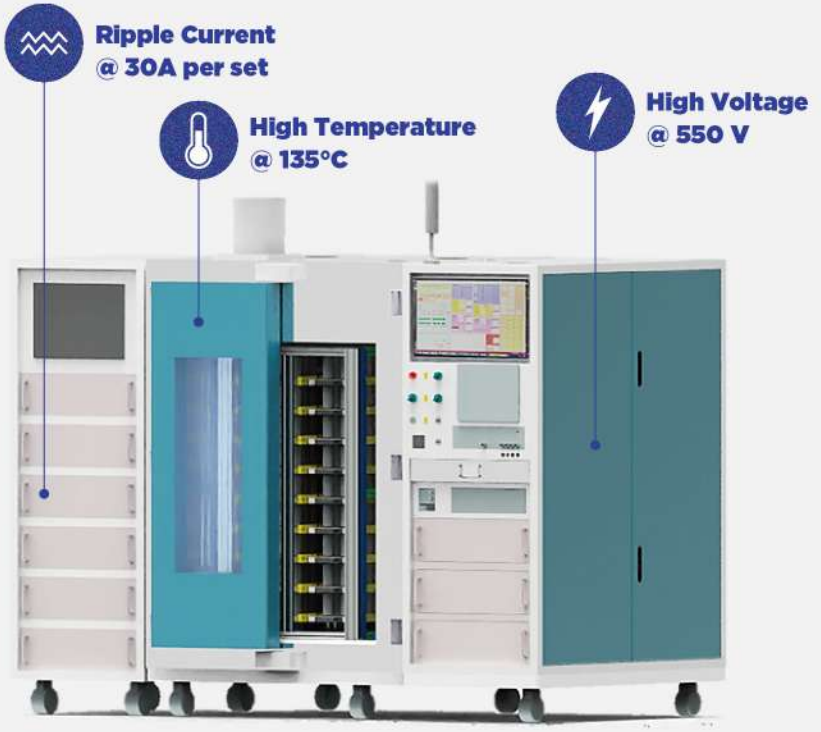
Mastering Lifetime Performance of Capacitors like No Man Can

Next-Gen Life Testing of Capacitors

Key Features & Capabilities :

Automatic precise measuring technique digitizes electrochemical vibrations.
Visualize hidden quality risks with seamless aging data.
Zero human factor. More authentic than outsourced testing agency.
Remote monitoring. Commission testing services applicable.

Applicable Capacitors	Radial / Snap-in / V-Chip and Hybrid electrolytic Capacitors			
Measurement E-Cap	Capacitance	tan δ	Leakage Current	ESR



What's TAICON TECHNOLOGY





Moving beyond manufacturing, Taiconers have turned decades of capacitor expertise and frontline factory AI implementation experiences into data-driven analytical services.

Through Taicon Technology Co., we deliver autonomous inspection solutions for capacitor supply chain.



1969 The Genesis

Crafted by Japanese manufacturing culture – laying the foundation of high quality standards.

1990s Massive Scaling

Expansion to Dongguan & Suzhou – achieving 220M pcs monthly capacity with automation.

2020s Digital Transformation

Rolling-out MES and AI inspection solutions – birth of Taicon Technology Co., Ltd.

Present & Future Horizons

Rapid expansion of advanced capacitor portfolio – powering green energy, EV and AI era.

WHY TAICON ?

Reliable Quality

Japan's quality management ethos meets in-house AI inspection solutions.



Seamless Technical Support

From optimal spec evaluation, design iteration to testing service.



Customer-Centric Service

Dedicated support, flexible delivery, actively realizing optimal designs for our clients.

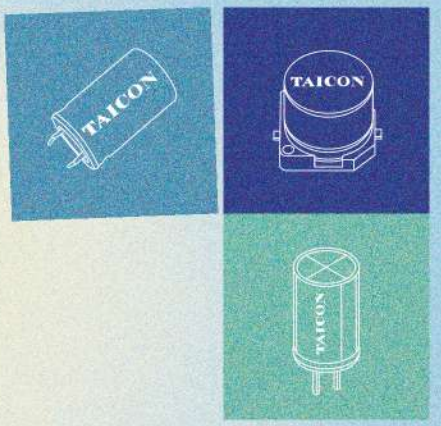


R&D Capability

Electrolyte R&D and tailored capacitor design backed by digitalized 50 yrs of expertise.



NOTES



Empowering Sustainable Future Together

TAICON