



CMC TESTING

New Energy Battery Field– Your Certified Expert



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Company profile



CMC Testing International (Shenzhen) Co., Ltd., referred to as CMC, is an international technical service provider. Established in 2012, it focuses on providing certification and testing services to enterprises across various regions of the world. It is a comprehensive third-party institution integrating inspection, testing, qualification, certification, and technical services, offering one-stop solutions for enterprises.

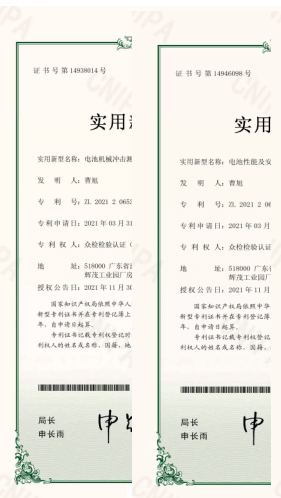
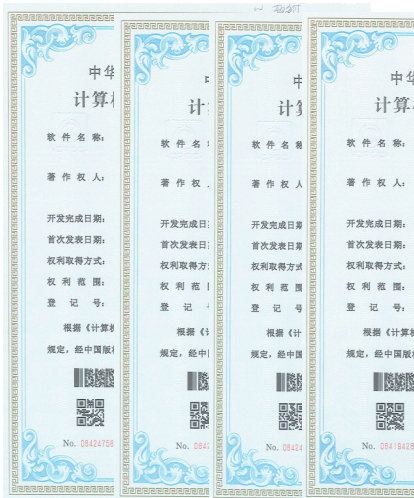
CMC always adheres to the principles of "fairness, justice, and science," dedicated to helping clients eliminate product trade barriers and address the increasing challenges in quality, safety, environmental protection, and social responsibility. It is the most trusted third-party testing and certification service partner for clients.

CMC is a third-party inspection service organization with a high focus on battery and related product testing and development.

It's main business includes certification and testing services for: China CQC, BSMI, US/Canada US, US ANSI, CB, India BIS, Korea KC, Japan PSE, EU CE, Thailand TISI, Customs Union EAC, Russia GOST-R/EAC, E-mark, North America CTIA, Malaysia SIRIM, Vietnam MIC, Australia RCM, Germany GS, WERCS registration, UN38.3, MSDS, and many other international certifications and testing services.

CMC Testing International (Shenzhen) Co., Ltd.

Company honours



Category of the Product

Battery types for different applications			Battery Level	Inverter	Electric assist bicycle
Batteries for portable products	lead-acid battery	Zinc-zinc manganese battery	Cell	Vehicle Inverter	Electric unicycle
Batteries for light electric vehicle	Nickel-cadmium cell	Aluminum-manganese battery	Cell string	Energy Storage Inverter	Electric scooter
Batteries for electric vehicles	NI-MH battery	Zinc-silver oxide cell	Module	Photovoltaic Inverter	Battery-operated motorcycle
Energy storage and industrial batteries	Lithium-ion battery	Zinc-air battery	Battery pack	Photovoltaic micro-inverter	Electric balance bike
Batteries for rail transit applications	Lithium polymer battery	Lithium-iodine battery	Battery Management System	Off-grid inverter	Electric bicycle
Ship marine battery	Ternary battery	Lithium-manganese battery	Battery System	Inverter power supply	
Batteries for aviation flight	Sodium-ion battery	Lithium fluoride battery			

Service Object

Energy storage system	Power battery	Outdoor Energy Storage	Inverter
			
Digital battery	Electric tool battery	Light electric vehicle battery	Electric assist bicycle
			

Consumer Battery Certification Program ▼

Application market	Type of service	Testing standard	Voluntary/Compulsory	Factory Inspection
Global	UN 38.3 Certification	ST/SG/AC 10/11/Rev.n- Section38-Amend IATA DGR	Mandatory	/
	MSDS report	DGR	Mandatory	/
	CB attestation	IEC 62133-1/-2 IEC 61960-3 IEC 60086 series IEC 62620	Voluntary	/
China	CCC CQC Test report	GB 47372, GB/T 46732	CQC is voluntary CCC mandatory	Need
		GB/T 38058, MT/T 1051		
		GB/T 30426		
		GB 31241, GB 18287 GB 4943, GB 40165 SJ/T 11796, SJ/T 11778		
EU	EN Test report	EN 62133-1/-2 EN 61960-3 EN 60086 Series	Mandatory	/
EU	EMC	EN 61000 Series	Voluntary	/
	Battery directive	(EU)2023/1542	Mandatory	/
	REACH	1907/2006/EC	Mandatory	/
	EPR	-	Mandatory	/
North America	FCC SDOC	FCC Part 15B	Mandatory	/
	UL/CTUVus/ CSA/cSGSUS, etc. certification	UL 1642 UL 2054 CSA/UL 62133-1/-2 CSA/UL 62368	Voluntary	Need
	IC	ICE S-003	Mandatory	/
	CTIA	IEEE1725 IEEE1625	Voluntary	Need
	SDS report	OSHA Hazard	Mandatory	/
	WERCS register	WERCS official website	Mandatory	/
	RBRC certification	Battery Recycling Requirements	Mandatory	/
Japan	PSE	Appendix12 JIS 62133-1/-2	Mandatory	/
	METI	Product standard	Mandatory	/
Korea	KC	KC 62133	Mandatory	/
Britain	UKCA	BS/EN 61000 Series	Mandatory	/
Australia	RCM	Register	Mandatory	/
India	BIS	IS 16046	Mandatory	/
Russia	Gost-R	-	Mandatory	/
Taiwan	BSMI	CAN 15364	Mandatory	/
Saudi Arabia	SASO/COCE	IEC 62133-1/-2	Mandatory	/
Vietnam	MIC	QCVN101:2020/BTTTT	Mandatory	/
Thailand	TISI	TIS 2217-2548	Mandatory	Need
Malaysia	Sirim	MS/IEC 62133	Mandatory	/
Mexico	NOM	NOM-024-SCFI		

Energy Storage Battery Certification Project

Application market	Certification Type	Testing standard	Corresponding product
Global	UN 38.3	ST/SG/AC 10/11/Rev.n-Section38- Amend IATA DGR	Cell/Module/Battery System
	MSDS report	DGR	Cell/Module/Battery System
	CB	IEC 62619	Cell/Module/Battery System
		IEC 62620	
IEC 63056			
EU	CE ROHS	EN 61000-3-1/2/3/4 2011/65/EU	Module/Battery System
	REACH	1907/2006/EC	Module/Battery System
	Battery directive Packaging directive	Register	Module/Battery System
	Battery directive	(EU)2023/1542	Module/Battery System
	EN/IEC62619	EN/IEC 62619	Energy Storage System
China	CCC	GB 36276	Cell/Battery System
		GB 44240	Cell/Battery System
	Test Report	GB/T 44265	Cell/Battery System
		GB 40165	Cell/Battery System
		YD/T 2344.1	Cell/Battery System
North America	UL/cTUVus/CSA cSGSus certification	UL 1973	Cell/Battery System
		UL 2743	Portable energy storage power supply
		UL 9540A	Cell/Module/Battery System
		UL 9540	Energy Storage System
Japan	PSE mark	JIS C8715-1/-2	Cell/Module/Battery System
	JET	SBAS 1101	Cell/Battery
Korea	KC	KC 62619	Cell/Module/Battery System
Russia	GOST-R/EAC	Base on IEC standard	Cell/Module
Taiwan	BSMI	CNS 62619,CNS 63056	Cell/Battery Pack
Functional Safety	BMS	IEC 60730 Annex H	Battery Management System Automatic Electric Controller
		UL 991	Functional Safety of the Battery Management System
		IEC 1998	Functional Safety of the Battery Management System



Power battery

Testing standard	Corresponding Product
GB/T 34570.1	Rechargeable battery pack and charger for electric tools
GB 40559	Lithium-ion batteries and battery packs for electric balance scooters
SJ/T 11852	Lithium-ion batteries for service robots
GB/T 46460	Lithium-ion batteries for unmanned aerial vehicles
GB 31486	Power battery cell for electric vehicles
GB/T 44257.1	Power batteries for electric earth moving machinery

Grid Connection

Application market	Testing standard
Australia	AS/NZS 4777.2, IEC 62109-1, IEC 62477-1, SATS 5398
America	IEEE 1547, NERC/FERC 2025
Germany	VDE 4105, VDE 0126, VDE 0124, VDE4110, VDE 4120
Italy	CEL 0-21, CEL 0-16
Britain	G98, G99
France	VFR, VDE 0126
Spain	P.0.12.3, RD413, RD661, RD1699, UNE 206006IN, UNE 206007IN, UNE 217001IN
Austria	OVE E-8001-4-712
Belgium	C10/11
Other EU countries	EN 50549-1, EN 50549-2

DC-to-AC Converter

Application market	Standard
Global	IEC 62477-1/-2, IEC 62109-1/-2
EU	EN 62477-1/-2, EN 62109-1/-2
Australia	AS/NZS 4777.21 IEC 62109-1/-2, IEC 62477-1/-2
America	UL 1741, UL 458

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Power Battery Certification Program ▾

Application market	Certification Type	Testing standard	Corresponding product
Global	UN 38.3 Certification	ST/SG/AC10/11/Rev.n- Section38- Amend IATADG	Cell/Module/Battery System
	MSDS Report	DGR	Cell/Module/Battery System
	CB attestation	IEC 62660-1	Road-type electric drive vehicle battery cell (performance testing)
		IEC 62660-2	Road-type electric drive vehicle battery cell (Reliability and abuse Testing)
		IEC 62660-3	Road-type electric drive vehicle battery cell (safety test)
EU	ECE	ECE R100	Car battery
	ECE	ECE R136	Electric motorcycle battery
	ECE	ECE R10	Car batteries/Electric motor cycle batteries
	TUV/Other MARK certification or test reports	EN 50604-1	Electric self-propelled battery
China	CCC Quality Inspection Report Create a test	GB 38031	Automotive Battery System
		GB 31484	Automotive Battery System
		GB 43854	Electric bicycle battery
		GB 36672	Electric motorcycle battery
Vietnam	VR	QCVN76-2019	Electric bike battery
	VR	QCVN91-2019	Electric motorcycle battery
North America	UL/cTUVus/CSA /cSGSUS certifications	UL 2580	Automotive battery cell/modular unit
		UL 2271	Light electric vehicle

Korea	KC	KC 62133-2	Lithium batteries use in electric scooters, balance bikes, and similar devices (For personal use at speeds below 25km/h)
	KMVSS	KMVSS Article18-3, KMVSSTP 48, KSR1024	Lithium-ion batteries used in vehicles on roads
India	CMVR	AIS 048, AIS 156, AIS 038 Rev. 2	Lithium-ion batteries for electric motorcycles (two-wheeled and three-wheeled vehicles)
Taiwan	BSMI	CNS 15387, CNS 15424, CNS 15424-2, CNS 1616	Lithium batteries for electric bicycles and electric motorcycles
		CNS 16160	Lithium-ion batteries used in vehicles on roads

Electric Scooter Certification Program

Application market	Certification Type	Testing standard	Corresponding product
Europe	MD certificate	EN 17128	Electric scooter
North America	cTUVus/ETL	UL/CSA 2272	Electric scooter

Electric Bicycle Certification Program

Application market	Certification Type	Testing standard	Corresponding product
Europe	CE certificate	EN 15194	Electric bicycle
North America	cTUVus/ETL	UL/CSA 2849	Electric bicycle