

ZiirongPower®

江苏紫龙新能源科技有限公司

Jiangsu Zilong New Energy Technology Co.,Ltd



Product Manual

产品手册

公司简介/COMPANY PROFILE

江苏紫龙新能源科技有限公司，崛起于2020年的璀璨时刻，根植于风景如画的苏州市，汇聚了来自国内顶尖企业的技术与管理精英，构建起一支实力雄厚的创新团队。自成立以来，公司致力于核心技术的自主研发，已成功申报多项发明、外观及实用新型专利，彰显了其在新能源充电设备领域的深厚底蕴与创新能力。

紫龙新能源专注于打造具有自主知识产权的国标、欧标、美标全系列交流、直流及液冷充电枪、充电插座、电动汽车高压线束等前沿产品。尤为值得一提的是，其欧标与美标产品均已荣获TÜV、CB、CE、UKCA、RoHS、REACH、PSE、RCM、ETL等国际权威认证，充分证明了产品在全球市场的竞争力与可靠性。公司构建了从产品设计、结构研发、精密制造到及时配送的全方位、一体化精密制造服务体系，确保每一环节都精益求精，满足客户对高品质、高效率的追求。凭借卓越的产品研发实力、灵活的智能制造能力和卓越的客户服务能力，紫龙新能源已与国内众多知名汽车企业建立了稳固的合作关系，并持续拓展国际市场版图。

在国际化布局方面，紫龙新能源展现出了非凡的前瞻性与行动力。2022年5月，公司在欧洲德国设立了办事处，作为进军欧洲市场的桥头堡；随后，2023年4月，上海生产基地的落成进一步巩固了国内产能与供应链优势；同年8月，英国办事处的成立标志着公司在欧洲市场的深入布局；而2024年1月，美国办事处的设立，则预示着紫龙新能源正加速迈向全球舞台，为全球新能源汽车产业贡献中国智慧与力量。

未来，江苏紫龙新能源科技有限公司将继续秉承“创新驱动发展，质量赢得市场”的理念，不断探索新能源充电技术的无限可能，为全球用户提供更加安全、高效、智能的充电解决方案，引领新能源行业迈向更加辉煌的明天。

Jiangsu Zilong New Energy Technology Co., Ltd., emerged in the splendid year of 2020, nestled in the picturesque city of Suzhou, China. It brings together a formidable team of technical and managerial elites from renowned domestic enterprises, forming a powerhouse of innovation. Since its inception, the company has dedicated itself to the independent research and development of core technologies, successfully applying for numerous patents in the fields of invention, design, and utility models, showcasing its profound expertise and innovative prowess in new energy charging equipment.

Zilong New Energy specializes in crafting a comprehensive range of cutting-edge products, including GB, EU, and US standard AC, DC, and liquid-cooled charging guns, charging sockets, and high-voltage harnesses for electric vehicles, all of which bear its own intellectual property rights. Notably, its EU and US standard products have obtained prestigious international certifications such as TÜV, CB/CE, UKCA, RoHS, REACH, PSE, RCM, and ETL, testifying to their competitiveness and reliability in the global market. The company has established a comprehensive and integrated precision manufacturing service system, encompassing product design, structural R&D, precision manufacturing, and timely delivery, ensuring excellence in every aspect to meet customers' demands for high quality and efficiency. Leveraging its remarkable product R&D capabilities, flexible manufacturing prowess, and exceptional customer collaboration skills, Zilong New Energy has forged solid partnerships with numerous renowned automotive enterprises in China while actively exploring overseas markets.

In terms of international expansion, Zilong New Energy has demonstrated remarkable foresight and action. In May 2022, it established an office in the heart of Europe – Germany, serving as a strategic base for its entry into the European market. Subsequently, in April 2023, a production base in Shanghai was set up to further solidify domestic production capacity and supply chain advantages. Then, in August 2023, the company opened an office in the United Kingdom, marking a deeper penetration into the European market. Lastly, in January 2024, an office in the United States was established, signifying Zilong New Energy's acceleration towards the global stage, contributing Chinese wisdom and strength to the global new energy vehicle industry.

Looking ahead, Jiangsu Zilong New Energy Technology Co., Ltd. will continue to uphold the principle of "Innovation Drives Development, Quality Wins the Market," relentlessly exploring the boundless possibilities of new energy charging technologies. It aims to provide safer, more efficient, and intelligent charging solutions for users worldwide, leading the new energy industry towards an even more brilliant future.



ZilongPower®

紫龙科技

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■ 大功率液冷直流充电枪 (Chaoji&GBT&CCS2 HPC)



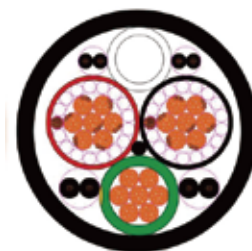
Chaoji



GB/T



CCS2



liquid cooling cable

电气性能 / ELECTRICAL PERFORMANCE

- 额定工作电流: 300A-600A
Rated current: 300A-600A
- 工作电压: 1000V
Operation voltage: 1000V
- 绝缘电阻: >1000MΩ(DC500V)
Insulation resistance: >1000MΩ(DC500V)
- 接触阻抗: 0.5mΩ Max
Contact Resistance: 0.5mΩ Max
- 端子温升: <50K
Terminal temperature rise: <50K
- 耐压: 2000V
Withstand voltage: 2000V

机械性能 / MECHANICAL PROPERTIES

- 机械寿命: 空载插拔 >10000次
Mechanical life: no-load plug in/out >10000 times
- 抗冲击力: 可承受1米高度跌落与2吨车辆碾压
Impact of external force: can afford 1m drop and 2t vehicle run over pressure
- 耦合时插拔力: 45N < F < 100N
Coupled insertion force: 45N < F < 100N

环境性能 / ENVIRONMENTAL PERFORMANCE

- 工作环境温度: -30°C - +50°C
Operating temperature: -30°C - +50°C

材料应用 / APPLIED MATERIALS

- 外壳材料: 热塑性塑料, 阻燃等级UL94 V-0, 端子: 铜合金, 表面镀银
Case material: thermoplastic, flame retardant grade UL94 V-0
Terminal: Copper alloy, silver plating

	额定电流 Rated current	线缆规格/Cable specification	备注/Remarks
GBT	300~400A	2*25+1*25+2*4+2*(2*0.75)P+(7*0.75)PΦ28,TPU	外壳颜色: 白色/黑色 Shell color: white/black 线缆颜色: 黑色/橙色 Cable color: black/orange
	400~600A	2*35+1*25+2*4+2*(2*0.75)P+(7*0.75)PΦ30,TPU	
CCS2	300~400A	2X25+1X25+(6X0.75)P,Φ28,TPU	
	400~600A	2X35+1X25+(6X0.75)P,Φ30,TPU	

■ 大功率液冷冷却系统(High power liquid cooling system)



项目/project	参数/parameter	备注/Remarks
输入电压/Input voltage	24V DC	
输入电流/Input current	<12A	建议进线16AWG以上
换热量/Heat exchange	2400W	
冷却介质/Coolant	充电枪专用冷却液/其他	@50°C环境温度
冷却流量/Coolant flow	1.8~5.5L/min	
供液压力/Coolant pressure	<7Bar(出厂设定)	
使用环境温度 /TA	-20°C~50°C	
回液口连接端口 Inlet connection port	G1/4(BSP)	内螺纹*2
出液口连接端口 Outlet connection port	G1/4(BSP)	内螺纹*2
电气连接端口 Electrical connection	Phoenix PT2.5快插端子	
噪音 /Noise level	≤50db(A)@1600RPM	30%full-speed
	≤50db(A)@2400RPM	50%full-speed
重量/Weight	16KG	
外形尺寸/Size	415x200x485mm(W*L*H)	

■ 国标直流充电枪 (GBT DC)



电气性能 / ELECTRICAL PERFORMANCE

- 额定工作电流：10A-400A
Rated current: 10A-400A
- 工作电压：1000V
Operation voltage: 1000V
- 绝缘电阻：>500MΩ(DC500V)
Insulation resistance: >500MΩ(DC500V)
- 接触阻抗：0.5mΩ Max
Contact Resistance: 0.5mΩ Max
- 端子温升：<50K
Terminal temperature rise: <50K
- 耐压：3000V
Withstand voltage: 3000V

机械性能 / MECHANICAL PROPERTIES

- 机械寿命：空载插拔>10000次
Mechanical life: no-load plug in/out >10000 times
- 耦合时插拔力：F<140N
Coupled insertion force: F<140N
- 抗冲击力：可承受1米高度跌落
Impact of external force: can afford 1M drop

环境性能 / ENVIRONMENTAL PERFORMANCE

- 工作环境温度：-30°C- + 50°C
Operating temperature: -30°C- + 50°C

材料应用 / APPLIED MATERIALS

- 外壳材料：热塑性塑料，阻燃等级UL94 V-0，端子：铜合金，表面镀银
Case material: thermoplastic, flame retardant grade UL94 V-0
Terminal: Copper alloy, silver plating

型号/Model	额定电流/Rated current	线缆规格/Cable specification	备注/Remarks
ZL-GB-DC10-P	10A	3*1.5+2*1+P(2*0.75)+4*0.75, Φ18.8, TPE	外壳颜色: 黑色/白色 Shell color: white or black 线缆颜色: 黑色 Cable color: black
ZL-GB-DC20/32/40-P	20A/32A/40A	2*6+1*4+2*2.5+2P*(2*0.75)+7*0.75, Φ25.5, TPE 2*6+1*4+2*2.5+2P*(2*0.75), Φ21.5, TPE	
ZL-GB-DC50/63/80-P	50A/63A/80A	2*16+1*16+2*4+2P*(2*0.75)+7*0.75, Φ32, TPE	
ZL-GB-DC80/100-P	80A/100A	2*25+1*16+2*4+2P*(2*0.75)+7*0.75, Φ32, TPE	
ZL-GB-DC125-P	125A	2*35+1*25+2*4+2P*(2*0.75)+7*0.75, Φ34, TPE	
ZL-GB-DC160-P	160A	2*50+1*25+2*4+2P*(2*0.75)+7*0.75, Φ37, TPE	
ZL-GB-DC200/250-P	200A/250A	2*70+1*25+2*4+2P*(2*0.75)+7*0.75, Φ37, TPE	
ZL-GB-DC300-P	300A	4*40+1*16+2*4+2P*(2*0.75)+7*0.75, Φ38, TPU	
ZL-GB-DC350-P	350A	4*50+1*16+2*4+2P*(2*0.75)+7*0.75, Φ38, TPU	
ZL-GB-DC400-P	400A	4*60+1*16+2*4+2P*(2*0.75)+7*0.75, Φ40, TPU	

■ 国标车端交流充电枪(GBT AC)



电气性能 / ELECTRICAL PERFORMANCE

- 额定工作电流: 16A/32A
Rated current:16A/32A
- 工作电压: 250V/480V
Operation voltage:250V/480V
- 绝缘电阻: >500MΩ(DC500V)
Insulation resistance:>500MΩ(DC500V)
- 接触阻抗: 0.5mΩ Max
Contact Resistance:0.5mΩ Max
- 端子温升: <50K
Terminal temperature rise:<50K
- 耐压: 2000V
Withstand voltage:2000V

机械性能 / MECHANICAL PROPERTIES

- 机械寿命: 空载插拔>10000次
Mechanical life:no-load plug in/out >10000 times
- 耦合时插拔力: 45N<F<100N
Coupled insertion force:45N<F<100N
- 抗冲击力: 可承受1米高度跌落
Impat of external force:can afford 1M drop

环境性能 / ENVIRONMENTAL PERFORMANCE

- 工作环境温度: -30°C- + 50°C
Operating temperature:-30°C- + 50°C

材料应用 / APPLIED MATERIALS

- 外壳材料: 热塑性塑料, 阻燃等级UL94 V-0, 端子: 铜合金, 表面镀银
Case material:thermoplastic,flame retardant grade UL94 V-0
Terminal:Copper alloy,silver plating

型号/Model	额定电流/Rated current	线缆规格/Cable specification	备注/Remarks
ZL-GB-AC16-P	16A单相/Single phase	3*2.5MM ² +1*0.75MM ² TPE,Φ13 3*2.5MM ² +4*0.75MM ² TPE,Φ13	外壳颜色: 白色/黑色 Shell color: white /black optional 线缆颜色: 黑色/橙色可选 Cable color: black/orange optional
ZL-GB-AC16-P-3	16A三相/Three phase	5*2.5MM ² +1*0.75MM ² TPU,Φ13	
ZL-GB-AC32-P	32A单相/Single phase	3*6MM ² +1*0.75MM ² TPE,Φ15 3*6MM ² +4*0.75MM ² TPE,Φ15	
ZL-GB-AC32-P-3	32A三相/Three phase	5*6MM ² +1*0.75MM ² TPU,Φ16.3	

■ 国标充电模式二 (GBT Portable EV Charger)



ZL-GB-AC16-M&P
ZL-GB-AC32-M&P



电气性能 / ELECTRICAL PERFORMANCE

- 额定工作电流: 16A/32A (单相)
Rated current: 16A/32A (Single phase)
- 输出功率: 3.5KW/7KW
Rated Power: 3.5KW/7KW
- 工作电压: 250V
Operation voltage: 250V
- 接触阻抗: 0.5mΩ Max
Contact Resistance: 0.5mΩ Max
- 端子温升: <50K
Terminal temperature rise: <50K
- 绝缘电阻: >500MΩ (DC500V)
Insulation resistance: >500MΩ (DC500V)
- 耐压: 1500V
Withstand voltage: 1500V

ZL-GB-AC16-M&P



电气性能 / ELECTRICAL PERFORMANCE

- 额定工作电流: 16A/32A (三相)
Rated current: 16A/32A (Three phase)
- 输出功率: 11KW/22KW
Rated Power: 11KW/22KW
- 工作电压: 380V
Operation voltage: 380V
- 接触阻抗: 0.5mΩ Max
Contact Resistance: 0.5mΩ Max
- 端子温升: <50K
Terminal temperature rise: <50K
- 绝缘电阻: >500MΩ (DC500V)
Insulation resistance: >500MΩ (DC500V)
- 耐压: 1500V
Withstand voltage: 1500V

ZL-GB-AC16-M&P-3



机械性能 / MECHANICAL PROPERTIES

- 机械寿命: 空载插拔 > 10000次
Mechanical life: no-load plug in/out > 10000 times
- 抗冲击力: 可承受1米高度跌落
Impact of external force: can afford 1M drop
- 耦合时插拔力: 45N < F < 100N
Coupled insertion force: 45N < F < 100N

环境性能 / ENVIRONMENTAL PERFORMANCE

- 工作环境温度: -30°C - + 50°C
Operating temperature: -30°C - + 50°C

材料应用 / APPLIED MATERIALS

- 外壳材料: 热塑性塑料, 阻燃等级UL94 V-0, 端子: 铜合金, 表面镀银
Case material: thermoplastic, flame retardant grade UL94 V-0
Terminal: Copper alloy, silver plating

控制盒功能 / CONTROL BOX FUNCTION

- 漏电保护
Leakage protection
- 过压欠压保护
Overvoltage under-voltage protection
- 过载保护
Over load protection
- 接地保护
Ground protection
- 过温保护
Over-temperature protection



电气性能 / ELECTRICAL PERFORMANCE

- 额定工作电流: 10A-400A
Rated current: 10A-400A
- 工作电压: 1000V
Operation voltage: 1000V
- 绝缘电阻: >500MΩ(DC500V)
Insulation resistance: >500MΩ(DC500V)
- 接触阻抗: 0.5mΩ Max
Contact Resistance: 0.5mΩ Max
- 端子温升: <50K
Terminal temperature rise: <50K
- 耐压: 3000V
Withstand voltage: 3000V

机械性能 / MECHANICAL PROPERTIES

- 机械寿命: 空载插拔 >10000次
Mechanical life: no-load plug in/out >10000 times
- 耦合时插拔力: 45N < F < 100N
Coupled insertion force: 45N < F < 100N
- 抗冲击力: 可承受1米高度跌落
Impact of external force: can afford 1M drop

环境性能 / ENVIRONMENTAL PERFORMANCE

- 工作环境温度: -30°C - +50°C
Operating temperature: -30°C - +50°C

材料应用 / APPLIED MATERIALS

- 外壳材料: 热塑性塑料, 阻燃等级UL94 V-0, 端子: 铜合金, 表面镀银
Case material: thermoplastic, flame retardant grade UL94 V-0
Terminal: Copper alloy, silver plating

型号/Model	额定电流/Rated current	线缆规格/Cable specification	备注/Remarks
ZL-IEC-DC10/16-P	10A/16A	3*2.5MM ² +2*0.75MM ² TPU, Φ10.5	外壳颜色: 黑色/白色 Shell color: white or black; 线缆颜色: 黑色 Cable color: black
ZL-IEC-DC32-P	32A	3*6MM ² +2*0.75MM ² TPU, Φ13	
ZL-IEC-DC40-P	40A	2*8MM ² +1*6MM ² +3*2*0.75MM ² TPU, Φ16.3	
ZL-IEC-DC50-P	50A	2*10MM ² +1*6MM ² +3*2*0.75MM ² TPU, Φ18.6	
ZL-IEC-DC63/80-P	63A/80A	2*16MM ² +16MM ² +3*2*0.75MM ² TPU, Φ26	
ZL-IEC-DC125-P	125A	2*35MM ² +25MM ² +3*2*0.75MM ² TPU, Φ32	
ZL-IEC-DC160-P	160A	2*50MM ² +25MM ² +3*2*0.75MM ² TPU, Φ34	
ZL-IEC-DC200/250-P	200A/250A	2*70MM ² +25MM ² +3*2*0.75MM ² TPU, Φ34	
ZL-IEC-DC300-P	300A	4*40MM ² +16MM ² +3*2*0.75MM ² TPU, Φ36.5	
ZL-IEC-DC350-P	350A	4*50MM ² +16MM ² +3*2*0.75MM ² TPU, Φ36.5	
ZL-IEC-DC400-P	400A	4*60MM ² +16MM ² +3*2*0.75MM ² TPU, Φ40	

■ 欧标交流充电枪 (Type2)



电气性能 / ELECTRICAL PERFORMANCE

- 额定工作电流: 16A/32A/63A
Rated current: 16A/32A/63A
- 工作电压: 250V/480V
Operation voltage: 250V/480V
- 绝缘电阻: >500MΩ(DC500V)
Insulation resistance: >500MΩ(DC500V)
- 接触阻抗: 0.5mΩ Max
Contact Resistance: 0.5mΩ Max
- 端子温升: <50K
Terminal temperature rise: <50K
- 耐压: 2000V
Withstand voltage: 2000V

机械性能 / MECHANICAL PROPERTIES

- 机械寿命: 空载插拔 >10000次
Mechanical life: no-load plug in/out >10000 times
- 耦合时插拔力: 45N < F < 100N
Coupled insertion force: 45N < F < 100N
- 抗冲击力: 可承受1米高度跌落
Impact of external force: can afford 1M drop

环境性能 / ENVIRONMENTAL PERFORMANCE

- 工作环境温度: -30°C - +50°C
Operating temperature: -30°C - +50°C

材料应用 / APPLIED MATERIALS

- 外壳材料: 热塑性塑料, 阻燃等级UL94 V-0, 端子: 铜合金, 表面镀银
Case material: thermoplastic, flame retardant grade UL94 V-0
Terminal: Copper alloy, silver plating

型号/Model	额定电流/Rated current	线缆规格/Cable specification	备注/Remarks
IEC-AC16-PV	16A单相/Single phase	3*2.5MM ² +1*0.75MM ² , Φ10.5, TPU	外壳颜色: 白色/黑色/多色可选 Shell color: white/black/ multi colour optional 线缆颜色: 黑色/橙色/绿色可选 Cable color: black/orange/ green optional
IEC-AC16-PV-3	16A三相/Three phase	5*2.5MM ² +1*0.75MM ² , Φ13, TPU	
IEC-AC32-PV	32A单相/Single phase	3*6MM ² +1*0.75MM ² , Φ13, TPU	
IEC-AC32-PV-3	32A三相/Three phase	5*6MM ² +1*0.75MM ² , Φ16.3, TPU	
IEC-AC63-PV-3	63A三相/Three phase	5*16MM ² +5*0.75MM ² , Φ23.2, TPU	

■ 欧转国&欧转美双头枪(T2-GB/T&T2-T1)



T2-GB/T

T2-T1

电气性能 / ELECTRICAL PERFORMANCE

- 额定工作电流: 16A/32A/63A
Rated current: 16A/32A/63A
- 工作电压: 250V/480V
Operation voltage: 250V/480V
- 绝缘电阻: >500MΩ(DC500V)
Insulation resistance: >500MΩ(DC500V)
- 接触阻抗: 0.5mΩ Max
Contact Resistance: 0.5mΩ Max
- 端子温升: <50K
Terminal temperature rise: <50K
- 耐压: 2000V
Withstand voltage: 2000V

机械性能 / MECHANICAL PROPERTIES

- 机械寿命: 空载插拔 > 10000次
Mechanical life: no-load plug in/out > 10000 times
- 耦合时插拔力: 45N < F < 100N
Coupled insertion force: 45N < F < 100N
- 抗冲击力: 可承受1米高度跌落
Impact of external force: can afford 1M drop

环境性能 / ENVIRONMENTAL PERFORMANCE

- 工作环境温度: -30°C - + 50°C
Operating temperature: -30°C - + 50°C

材料应用 / APPLIED MATERIALS

- 外壳材料: 热塑性塑料, 阻燃等级UL94 V-0, 端子: 铜合金, 表面镀银
Case material: thermoplastic, flame retardant grade UL94 V-0
Terminal: Copper alloy, silver plating

型号/Model	额定电流/Rated current	线缆规格/Cable specification	备注/Remarks
T2-GBT	16A单相/Single phase	3*2.5MM ² +1*0.75MM ² , Φ10.5, TPU/Φ13, TPE	外壳颜色: 白色/黑色/多色可选 Shell color: white /black optional 线缆颜色: 黑色/橙色/绿色可选 Cable color: black/orange/green optional
	16A三相/Three phase	5*2.5MM ² +1*0.75MM ² , Φ13, TPU	
	32A单相/Single phase	3*6MM ² +1*0.75MM ² , Φ13, TPU/Φ15, TPE	
	32A三相/Three phase	5*6MM ² +1*0.75MM ² , Φ16.3, TPU	
T2-T1	16A单相/Single phase	3*2.5MM ² +1*0.75MM ² , Φ10.5, TPU	
	32A单相/Single phase	3*6MM ² +1*0.75MM ² , Φ13, TPU	

■ 欧标充电模式二 (Type2 Portable EV Charger)



ZL-IEC-AC16-M&P ZL-IEC-AC32-M&P



电气性能 / ELECTRICAL PERFORMANCE

- 额定工作电流:16A/32A(单相)
Rated current:16A/32A (Single phase)
- 输出功率:3.5KW/7KW
Rated Power:3.5KW/7KW
- 工作电压: 250V
Operation voltage:250V
- 接触阻抗: 0.5mΩ Max
Contact Resistance:0.5mΩ Max
- 端子温升: <50K
Terminal temperature rise:<50K
- 绝缘电阻: >500MΩ(DC500V)
Insulation resistance:>500MΩ(DC500V)
- 耐压: 1500V
Withstand voltage:1500V

ZL-IEC-AC16-M&P



电气性能 / ELECTRICAL PERFORMANCE

- 额定工作电流:16A/32A(三相)
Rated current:16A/32A (Three phase)
- 输出功率:11KW/22KW
Rated Power:11KW/22KW
- 工作电压:380V
Operation voltage:380V
- 接触阻抗: 0.5mΩ Max
Contact Resistance:0.5mΩ Max
- 端子温升: <50K
Terminal temperature rise:<50K
- 绝缘电阻: >500MΩ(DC500V)
Insulation resistance:>500MΩ(DC500V)
- 耐压: 1500V
Withstand voltage:1500V

ZL-IEC-AC16-M&P-3 ZL-IEC-AC32-M&P-3



机械性能 / MECHANICAL PROPERTIES

- 机械寿命: 空载插拔>10000次
Mechanical life:no-load plug in/out >10000 times
- 耦合时插拔力: 45N<F<100N
Coupled insertion force:45N<F<100N
- 抗冲击力: 可承受1米高度跌落
Impat of external force:can afford 1M drop

环境性能 / ENVIRONMENTAL PERFORMANCE

- 工作环境温度: -30°C- + 50°C
Operating temperature:-30°C- + 50°C

材料应用 / APPLIED MATERIALS

- 外壳材料: 热塑性塑料, 阻燃等级UL94 V-0, 端子: 铜合金, 表面镀银
Case material:thermoplastic,flame retardant grade UL94 V-0
Terminal:Copper alloy,silver plating

控制盒功能 / CONTROL BOX FUNCTION

- 漏电保护
Leakage protection
- 过压欠压保护
Overvoltage under-voltage protection
- 过载保护
Over load protection
- 接地保护
Ground protection
- 过温保护
Over-temperature protection



电气性能 / ELECTRICAL PERFORMANCE

- 额定工作电流:16A-250A
Rated current:16A-250A
- 工作电压:1000V
Operation voltage:1000V
- 绝缘电阻: >500MΩ(DC500V)
Insulation resistance:>500MΩ(DC500V)
- 接触阻抗: 0.5mΩ Max
Contact Resistance:0.5mΩ Max
- 端子温升: <50K
Terminal temperature rise:<50K
- 耐压:3000V
Withstand voltage:3000V

机械性能 / MECHANICAL PROPERTIES

- 机械寿命: 空载插拔>10000次
Mechanical life:no-load plug in/out >10000 times
- 耦合时插拔力: 45N<F<100N
Coupled insertion force:45N<F<100N
- 抗冲击力: 可承受1米高度跌落
Impat of external force:can afford 1M drop

环境性能 / ENVIRONMENTAL PERFORMANCE

- 工作环境温度: -30°C- + 50°C
Operating temperature:-30°C- + 50°C

材料应用 / APPLIED MATERIALS

- 外壳材料: 热塑性塑料, 阻燃等级UL94 V-0, 端子: 铜合金, 表面镀银
Case material: thermoplastic, flame retardant grade UL94 V-0
Terminal: Copper alloy, silver plating

额定电流/Rated current	线缆规格/Cable specification	备注/Remarks
16A/20A	3*12AWG+6*20AWG, TPE, φ15mm	外壳颜色: 白色或黑色 Shell color: white or black; 线缆颜色: 黑色 Cable color: black
32A	3*10AWG+6*20AWG, TPE, φ16.3mm	
63A/80A	2*5AWG+1*8AWG+6*20AWG, TPE, φ28.5mm	
125A	2*2AWG+1*6AWG+6*18AWG, TPE, φ31mm	
150A	2*1AWG+1*6AWG+6*18AWG, TPE, φ34.5mm	
200A	2*2/0AWG+1*6AWG+6*18AWG, TPE, φ39mm	
250A	2*2/0AWG+1*6AWG+6*18AWG, TPE, φ39mm	

■ 美标交流充电枪 (Type1)



电气性能 / ELECTRICAL PERFORMANCE

- 额定工作电流:15A~80A
Rated current: 15A~80A
- 工作电压: 110V/240V
Operation voltage:110V/240V
- 绝缘电阻: >500MΩ(DC500V)
Insulation resistance:>500MΩ(DC500V)
- 接触阻抗: 0.5mΩ Max
Contact Resistance:0.5mΩ Max
- 端子温升: <50K
Terminal temperature rise:<50K
- 耐压: 2000V
Withstand voltage:2000V

机械性能 / MECHANICAL PROPERTIES

- 机械寿命: 空载插拔>10000次
Mechanical life:no-load plug in/out >10000 times
- 耦合时插拔力: 45N<F<100N
Coupled insertion force:45N<F<100N
- 抗冲击力: 可承受1米高度跌落
Impact of external force:can afford 1M drop

环境性能 / ENVIRONMENTAL PERFORMANCE

- 工作环境温度: -30°C- + 50°C
Operating temperature:-30°C- + 50°C

材料应用 / APPLIED MATERIALS

- 外壳材料: 热塑性塑料, 阻燃等级UL94 V-0, 端子: 铜合金, 表面镀银
Case material: thermoplastic, flame retardant grade UL94 V-0
Terminal: Copper alloy, silver plating

型号/Model	额定电流/Rated current	线缆规格/Cable specification	备注/Remarks
ZL-SAE-AC15-NP	15A	3*14AWG+1*18AWG TPE,Φ11	外壳颜色: 白色/黑色/多色可选 Shell color: white/black/multi colour optional 线缆颜色: 黑色/橙色/绿色可选 Cable color: black/orange/green optional
ZL-SAE-AC16-P	16A	3*2.5MM ² +1*0.75MM ² TPU,Φ10.5	
ZL-SAE-AC20-NP	20A	3*12AWG+1*18AWG TPE,Φ15	
ZL-SAE-AC30-NP	30A	3*10AWG+1*18AWG TPE,Φ16.3	
ZL-SAE-AC32-P	32A	3*6MM ² +1*0.75MM ² TPU,Φ13	
ZL-SAE-AC40-NP	40A	2*9AWG+10AWG+1*18AWG TPE,Φ18.6	
ZL-SAE-AC48/50-NP	48A/50A	2*8AWG+10AWG+1*18AWG TPE,Φ20.5	
ZL-SAE-AC70-NP	70A	2*7AWG+8AWG+1*18AWG TPE,Φ22.8	
ZL-SAE-AC80-NP	80A	2*6AWG+8AWG+1*18AWG TPE,Φ23.2	

■ 美标&NACS延长线(T1&NACS Extension Line)



T1-T1



NACS-NACS



NACS-T1

电气性能 / ELECTRICAL PERFORMANCE

- 额定工作电流:16A~50A
Rated current:16A~50A
- 工作电压: 120V-250V
Operation voltage:120V-250V
- 绝缘电阻: >500MΩ(DC500V)
Insulation resistance:>500MΩ(DC500V)
- 接触阻抗: 0.5mΩ Max
Contact Resistance:0.5mΩ Max
- 端子温升: <50K
Terminal temperature rise:<50K
- 耐压: 2000V
Withstand voltage:2000V

机械性能 / MECHANICAL PROPERTIES

- 机械寿命: 空载插拔>10000次
Mechanical life:no-load plug in/out >10000 times
- 耦合时插拔力: 45N<F<100N
Coupled insertion force:45N<F<100N

环境性能 / ENVIRONMENTAL PERFORMANCE

- 工作环境温度: -30°C- + 50°C
Operating temperature:-30°C- + 50°C

材料应用 / APPLIED MATERIALS

- 外壳材料: 热塑性塑料, 阻燃等级UL94 V-0, 端子: 铜合金, 表面镀银
Case material: thermoplastic, flame retardant grade UL94 V-0
Terminal: Copper alloy, silver plating

Model	Rated current	Cable specification	Remarks
ZL-SAE-AC15	15A	3*14AWG+1*18AWG, Φ11, TPE	Shell color: white/black/multi colour optional Cable color: black/orange/green optional
ZL-SAE-AC16	16A	3*2.5MM ² +1*0.75MM ² , Φ10.5, TPU	
ZL-SAE-AC20	20A	3*12AWG+1*18AWG, Φ15, TPE	
ZL-SAE-AC30	30A	3*10AWG+1*18AWG, Φ16.3, TPE	
ZL-SAE-AC32	32A	3*6MM ² +1*0.75MM ² , Φ13, TPU	
ZL-SAE-AC40	40A	2*9AWG+10AWG+1*18AWG, Φ18.6, TPE	
ZL-SAE-AC50	50A	2*8AWG+10AWG+1*18AWG, Φ23.8, TPE	

■ 美标充电模式二 (Type1 Portable EV Charger)



ZL-SAE-AC16/32/40/50-M&P

ZL-SAE-AC16-M&P

电气性能 / ELECTRICAL PERFORMANCE

- 额定工作电流:16A/32A/40A/50A
Rated current:16A/32A/40A/50A
- 工作电压: 110V/250V
Operation voltage:110V/250V
- 绝缘电阻: >500MΩ(DC500V)
Insulation resistance:>500MΩ(DC500V)
- 接触阻抗: 0.5mΩ Max
Contact Resistance:0.5mΩ Max
- 端子温升: <50K
Terminal temperature rise:<50K
- 耐压: 1500V
Withstand voltage:1500V

机械性能 / MECHANICAL PROPERTIES

- 机械寿命: 空载插拔>10000次
Mechanical life:no-load plug in/out >10000 times
- 耦合时插拔力: 45N<F<100N
Coupled insertion force:45N<F<100N
- 抗冲击力: 可承受1米高度跌落
Impact of external force:can afford 1M drop

环境性能 / ENVIRONMENTAL PERFORMANCE

- 工作环境温度: -30°C- + 50°C
Operating temperature:-30°C- + 50°C

材料应用 / APPLIED MATERIALS

- 外壳材料: 热塑性塑料, 阻燃等级UL94 V-0, 端子: 铜合金, 表面镀银
Case material:thermoplastic,flame retardant grade UL94 V-0
Terminal:Copper alloy,silver plating

控制盒功能 / CONTROL BOX FUNCTION

- 漏电保护
Leakage protection
- 过压欠压保护
Overvoltage under-voltage protection
- 过载保护
Over load protection
- 接地保护
Ground protection
- 过温保护
Over-temperature protection

■ 特斯拉交流充电桩 (NACS Plug-AC)

NACS Plug



Portable



Wallbox



电气性能 / ELECTRICAL PERFORMANCE

- 额定工作电流: 15A-80A
Rated current: 15A-80A
- 工作电压: 110V/250V AC
Operation voltage: 110V-250V AC
- 绝缘电阻: >1000MΩ(DC500V)
Insulation resistance: >1000MΩ(DC500V)
- 接触阻抗: 0.5mΩ Max
Contact Resistance: 0.5mΩ Max
- 端子温升: <50K
Terminal temperature rise: <50K
- 耐压: 2000V
Withstand voltage: 2000V

机械性能 / MECHANICAL PROPERTIES

- 机械寿命: 空载插拔 >10000次
Mechanical life: no-load plug in/out >10000 times
- 耦合时插拔力: 45N < F < 100N
Coupled insertion force: 45N < F < 100N

环境性能 / ENVIRONMENTAL PERFORMANCE

- 工作环境温度: -30°C - +50°C
Operating temperature: -30°C - +50°C

材料应用 / APPLIED MATERIALS

- 外壳材料: 热塑性塑料, 阻燃等级UL94 V-0, 端子: 铜合金, 表面镀银
Case material: thermoplastic, flame retardant grade UL94 V-0
Terminal: Copper alloy, silver plating

型号/Model	额定电流/Rated current	线缆规格/Cable specification	备注/Remarks
ZL-TESLA-AC15-P	15A单相/Single phase	3*14AWG+1*18AWG, Φ11, TPE	外壳颜色: 白色/黑色可选 Shell color: black/white optional 线缆颜色: 黑色/橙色/绿色可选 Cable color: black/orange/green optional
ZL-TESLA-AC32-P	32A单相/Single phase	3*10AWG+1*18AWG, Φ16.3, TPE	
ZL-TESLA-AC40-P	40A单相/Single phase	2*9AWG+10AWG+1*18AWG, Φ18.6, TPE	
ZL-TESLA-AC50-P	50A单相/Single phase	2*8AWG+10AWG+1*18AWG, Φ20.5, TPE	
ZL-TESLA-AC70-P	70A单相/Single phase	2*7AWG+8AWG+1*18AWG, Φ22.8, TPE	
ZL-TESLA-AC80-P	80A单相/Single phase	2*6AWG+8AWG+1*18AWG, Φ23.2, TPE	



T2 Vehicle



T2 station



T1



NACS (AC)



GBT (AC)



GBT (DC)



CCS2 (DC)



Lock

电气性能 / ELECTRICAL PERFORMANCE

- 额定工作电流: 16A-63A
Rated current: 16A-63A
- 工作电压: 250V/480V
Operation voltage: 250V/480V
- 绝缘电阻: >500MΩ (DC500V)
Insulation resistance: >500MΩ (DC500V)
- 接触阻抗: 0.5mΩ Max
Contact Resistance: 0.5mΩ Max
- 端子温升: <50K
Terminal temperature rise: <50K
- 耐压: 2000V
Withstand voltage: 2000V

机械性能 / MECHANICAL PROPERTIES

- 机械寿命: 空载插拔 > 10000次
Mechanical life: no-load plug in/out > 10000 times
- 耦合时插拔力: 45N < F < 80N
Coupled insertion force: 45N < F < 80N

环境性能 / ENVIRONMENTAL PERFORMANCE

- 工作环境温度: -30°C - +50°C
Operating temperature: -30°C - +50°C

材料应用 / APPLIED MATERIALS

- 外壳材料: 热塑性塑料, 阻燃等级 UL94 V-0, 端子: 铜合金, 表面镀银
Case material: thermoplastic, flame retardant grade UL94 V-0
Terminal: Copper alloy, silver plating

	型号/Model	额定电流 Rated current	线缆规格/Cable specification	备注/Remarks
GBT T2	ZL-IEC-AC16-SS	16A单相/Single phase	3*2.5MM ² +2*0.5MM ²	外壳颜色: 黑色 Shell color: black 信号灯: 可选 Signal lamp: optional 电子锁: 可选 Lock: optional
	ZL-IEC-AC16-SS-3	16A三相/Three phase	5*2.5MM ² +2*0.5MM ²	
	ZL-IEC-AC32-SS	32A单相/Single phase	3*6MM ² +2*0.5MM ²	
	ZL-IEC-AC32-SS-3	32A三相/Three phase	5*6MM ² +2*0.5MM ²	
	ZL-IEC-AC63-SS-3	63A三相/Three phase	5*16MM ² +2*0.5MM ²	
T1	ZL-SAE-AC16-S	16A	3*2.5MM ² +2*0.75MM ² , φ10.5, TPU	
	ZL-SAE-AC32-S	32A	3*6MM ² +2*0.75MM ² , φ13, TPU	
	ZL-SAE-AC40-S	40A	2*9AWG+10AWG+1*18AWG, φ18.6, TPE	
	ZL-SAE-AC50-S	50A	2*9AWG+10AWG+1*18AWG, φ18.6, TPE	

■ 转换头(Adapter AC)



T1-T2



T1-GB/T



GB/T-T1



T1-NACS



NACS-T1



T2-T1



T2-GB/T



T2-GB/T



GB/T-T2



T2-NACS



■ 转换头(Adapter DC)



CCS1-CCS2



CCS2-CCS1



CCS1-GB/T



GB/T-CCS1



NACS-CCS1



CCS1-NACS



CCS2-NACS



NACS-CCS2



NACS-GBT



CCS2-GB/T



GB/T-CCS2



CHAdEMO-NACS



CHAdEMO-CCS2



CCS2-CHAdEMO



CHAdEMO-CCS1



NACS-CHAdEMO



■ 放电枪(V2L)



电气性能 / ELECTRICAL PERFORMANCE

- 额定工作电流:10A/16A/32A
Rated current:10A/16A/32A
- 工作电压:120V/250V
Operation voltage:120V/250V
- 绝缘电阻: >500MΩ(DC500V)
Insulation resistance:>500MΩ(DC500V)
- 接触阻抗: 0.5mΩ Max
Contact Resistance:0.5mΩ Max
- 耐压:2500V
Withstand voltage:2500V



T1 socket to NEMA5-20R



T1 Discharge Plug for station



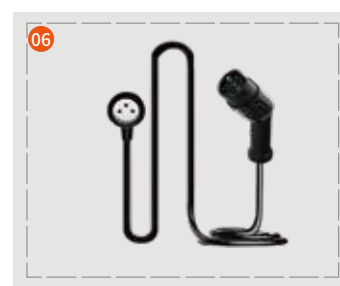
T1-US



T2 Male-Schuko Socket



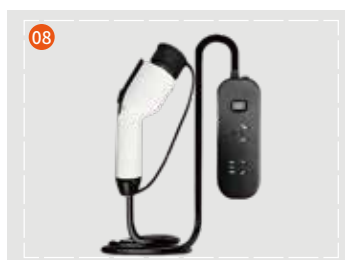
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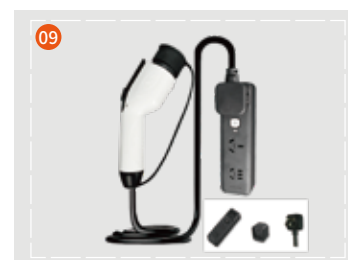
T2 Israeli socket



T2



GBT



GBT

■ 挂枪座 (Holder)



SAE AC Holder
美标交流挂枪座



CHAdeMO Holder
日标直流挂枪座



TESLA Holder
特斯拉挂枪座



CCS1 Holder
美标直流挂枪座



IEC AC Holder
欧标交流挂枪座



IEC DC Holder
欧标直流挂枪座



GB DC Holder
国标直流挂枪座



GB AC Holder
国标交流挂枪座



Mode 2 Scaffold
模式二支架

■ 交流充电桩 (AC Charger Station)



IEC



GB/T



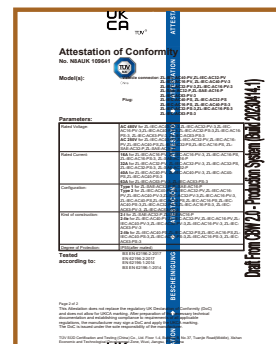
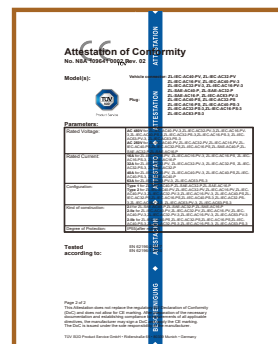
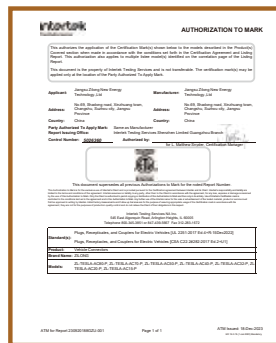
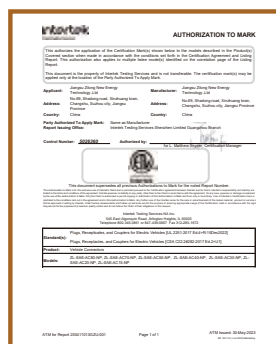
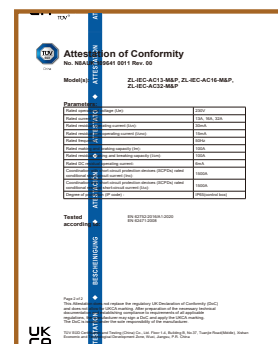
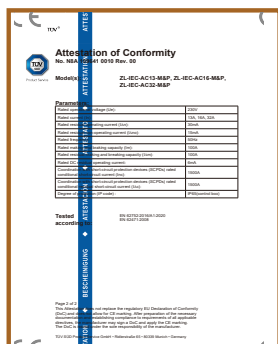
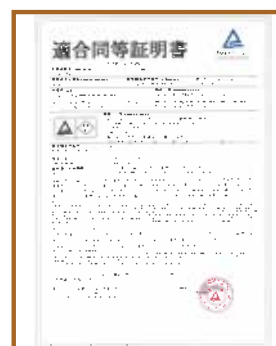
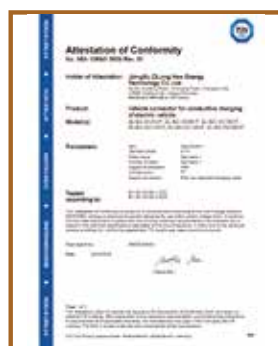
SAE



TESLA

详细规格 Datasheet	产品型号 Model	国标GB/T/欧标IEC	美标SAE/NACS
		ZL-AC-GB7000/ZL-AC-IEC7000	ZL-AC-SAE7000
使用场景 Use case		家庭/自用/运营 Home/Personal use/operation	
外观结构 Appearance and structure	产品属性 Product attributes	身份识别(刷卡/APP/即插即充) Identification (swipe card/APP/plug and charge)	
	产品尺寸(W*L*H) Product dimension	180*59.5*252mm/320*195*130mm	
	安装方式 Installation	壁挂式/立柱式 Wall mounted type/Column type	
	产品重量(毛重) Gross Weight	按实际称重 Weigh according to actual weight	
	走线方式 Cabling mode	下进下出 Down in and out	
	线缆长度 Cable Length	5m	
	功能设计 Functional design	LED灯条/显示屏(选配)/蓝牙APP/WIFI/OCPP 1.6J LED light bar/display screen (optional)/Bluetooth APP/WIFI/OCPP 1.6J	
电气性能 Electrical performance	输入电压 Rated Voltage	AC110V-220V±10V	
	输入频率 Frequency	50/60Hz	
	输出功率 Rated Power	3.5KW/7KW/11KW/22KW	
	额定电流 Maximum Current	16A单相/32A单相/16A三相/32A三相 16A1P/32A3P/16A3P/32A3P	
安全设计 Safety	适用环境 Applied environment	户内/户外 Indoor/outdoor	
	防护等级 Ingress Protection	IP65	
	防撞等级 Impact Protection	IK10	
	工作温度 Work Temperature	-40°C~+65°C	
	工作湿度 Work Humidity	5%~95%无凝露 5% ~ 95% without any condensation	
	工作海拔 Work Altitude	≤2000M	
	保护设计 Electrical Protection	过压保护、欠压保护、过载保护、接地保护、高温保护、防雷保护、漏电保护 Over current protection, Residual current protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/High temperature protection	

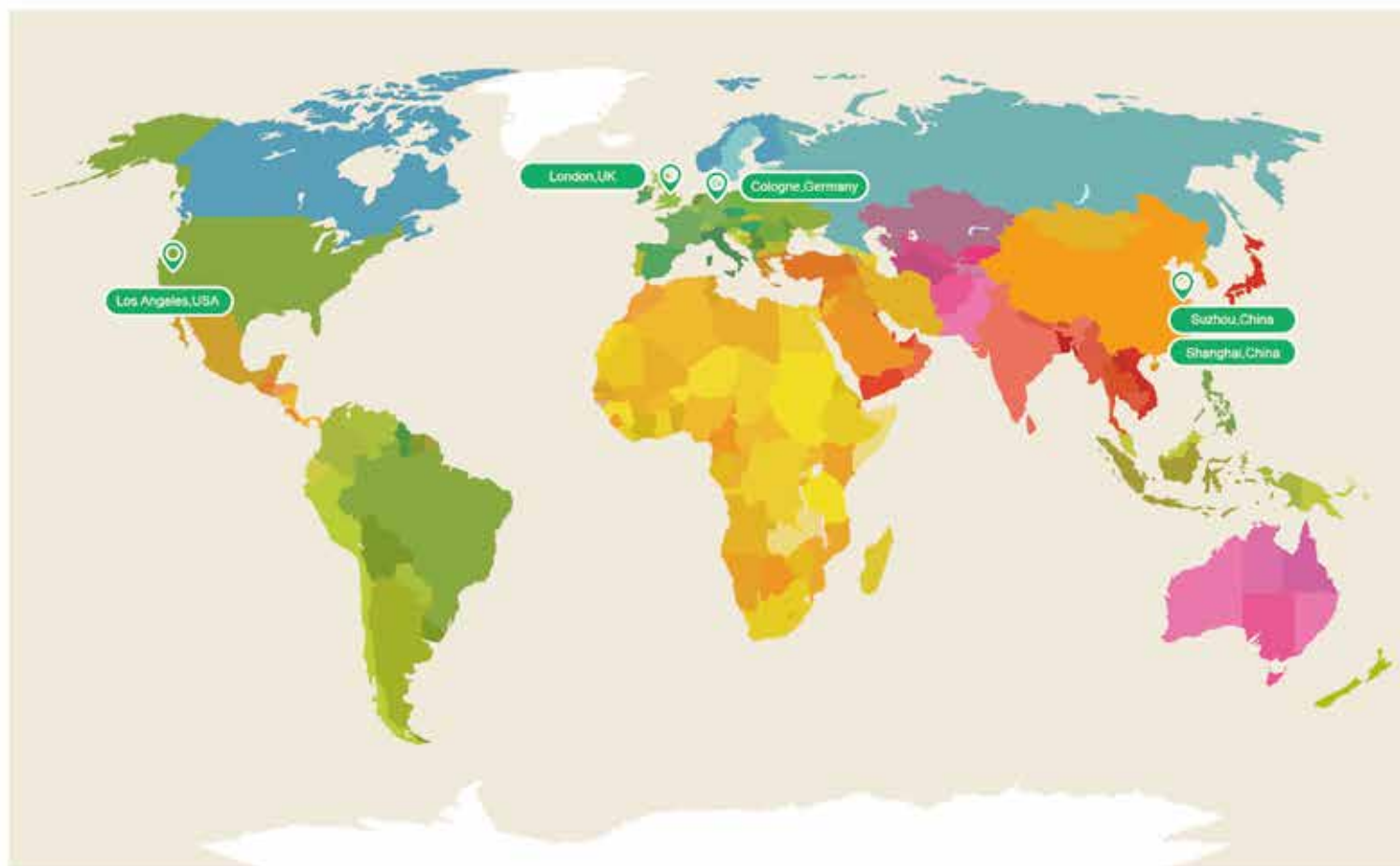
认证证书/AUTHENTICATION CERTIFICATE



合作伙伴/PARTNERSHIP



分布图/DISTRIBUTED MAPS





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