



Constructional Data Form for Electrical Products

(For TÜV Rheinland of N.A., Inc. use only)

Certificate # US 72212099 01 File # CN21HY5J 001

License Holder : SANDEN Electricity Co., Ltd.
10F., No. 8, Guosheng 5rd St., Taoyuan Dist., Taoyuan City 330, Taiwan

Factory : DONGGUAN JIN LU BATTERY TECHNOLOGY CO., LTD.
15# Rome Road Qingxi Town, Dongguan City, Guangdong, P.R. China

Type of Product : Rechargeable Li-ion Cell

Model Number : HK668090, HK978090, HK8080130, HK1280130

Trademark : JinLu

Utilization Type : Technician replaceable cell

Rating : Temperature range: 2-45°C (charge); 2-60°C (discharge)

Model	Nominal capacity	Nominal voltage	Nominal Charge current	Nominal discharge current	Max. charge current	Max. discharge current	Max. charge voltage	End discharge voltage
HK668090	3000mAh	3.2V	600mA	600mA	3000mA	75000mA	3.65V	2.1V
HK978090	5000mAh	3.2V	1000mA	1000mA	5000mA	125000 mA	3.65V	2.1V
HK8080130	6000mAh	3.2V	1200mA	1200mA	6000mA	150000 mA	3.65V	2.1V
HK1280130	9000mAh	3.2V	1800mA	1800mA	9000mA	225000 mA	3.65V	2.1V

Jeffrey Qin TUV Rheinland of North America, Inc.	Taiwan	2021-06-07
	(Place)	(Date)
	(Stamp and signature of applicant)	

Note: Any errors or omissions in the CDF shall be reported to TÜV Rheinland immediately upon receipt by the applicant.

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List of Critical Components:

Item No.	Object/part no.	Manufacturer/ Trademark	Type/Model	Technical Data	Standard	Mark(s) of Conformity
	Cell	DONGGUAN JIN LU BATTERY TECHNOLOGY CO., LTD.	HK668090, HK978090, HK8080130, HK1280130	HK668090: 3.2V, 3000mAh; HK978090: 3.2V, 5000mAh; HK8080130: 3.2V, 6000mAh; HK1280130: 3.2V, 9000mAh	UL 1642: 2020	Tested with appliance
1	-Positive electrode	Guizhou's high and new energy Technology Co. LTD	CN-01	LiFePO ₄ Specific surface area: 13±2m ² /g, Vibration solid density: >0.6g/cm ³ Particle size D50: 2±1µm	--	--
2	-Negative electrode	Long Time Electronic Materials Co. LTD	LT-PW-1	Carbon, Particle size D50: 8-13µm, Tap density: >1.2g/cm ³ Specific surface area: ≤2m ² /g	--	--
3	-Separator	Dongguan CCID Electronic Technology Co. LTD	16µm	PE+Al ₂ O ₃ , Thickness: 16µm, Closed pore temperature: 140±5°C	--	--
4	-Electrolyte	Dongguan Shanshan Battery Material Co. LTD	SS-JS JL009	Chromaticity≤50, Moisture≤ 20ppm, Free acid≤ 50ppm, LiPF ₆ +PC+EC+DMC+ DEC+EMC	--	--

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Item No.	Object/part no.	Manufacturer/ Trademark	Type/Model	Technical Data	Standard	Mark(s) of Conformity
5	-Case	Suzhou First PV Materials Co., LTD	0.113mm	Aluminum plastic film, Thickness: 0.113mm	--	--
Supplementary information:						

Routine Safety Testing:

Required: ☐

Not Required: ☒

Reason:

Class III product: ☒

Other:

Test Details:

Test Points:

Test Values

- ☐ Dielectric Strength:
- ☐ Ground Continuity:
- ☐ Insulation Resistance:
- ☐ Leakage Current:
- ☐ Other:

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