



Degrees of protection (IP Code) provided by enclosure
TEST REPORT

Report number : IPT20240091

Issued date : 2025/02/07

Laboratory : Photovoltaic and Lighting Laboratory

**Address: No. 6-6, Ronggong S. Rd., Caota Village, Guanyin Dist,
Taoyuan City 328, TAIWAN, R.O.C.**



Taiwan Electric Research & Testing Center

Address: No.6-6, Ronggong S. Rd., Caota Village, Guanyin Dist , Taoyuan City 328,
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Website <http://www.tertec.org.tw>

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- ◆ Inquiry telephone: (03) 483-9090



財團法人

台灣大電力研究試驗中心

Taiwan Electric Research & Testing Center

51T-15-6504

Photovoltaic and Lighting Laboratory

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Applicant : KuDos Mechanical Co., Ltd

Applicant's address : No.151 Section 1, Bei-Shen Road. Shen-Keng District., New Taipei City,
Taiwan 22246

Product : Battery Operated Took

Model No. : KV-44

Sample serial number : IPT20240091-1

Product dimension : 446.6 mm(W) × 296.3 mm(H) × 76.5 mm(D)

Test method : IEC60529 (2001)

Sampling procedure : Sent by applicant

Receiving date : 2024/11/01

Testing date : 2024/11/01 ~ 2025/01/24

Testing engineers : Kuochu Wu 、 Jin Cheng Lin

Result of test : Refer to page 3

Signatory of the report Chang Chin Jung



Result of Test

1. Result of test : Degrees of protection provided by enclosures IP54.
2. Description of test :

Test items	Standards of test	Result	Verdict
Degrees of protection against access to hazardous parts. First characteristic numeral 5.	IEC 60529 sec.12.2	No test wire penetrate	Pass
Degrees of protection against solid foreign objects. First characteristic numeral 5.	IEC 60529 sec.13.4 sec.13.5	Limited ingress of dust.	Pass
Degrees of protection against water. Second characteristic numeral 4.	IEC 60529 sec.14.2.4	No ingress of water.	Pass

3. Tested ambience temperature/ humidity : 24.0 °C/ 66.7 % RH
4. Test Equipment :

Test equipment	Brand/Type	Calibration effective deadline	Note
Water flow meter	GPI/A109LMN100IA1	2025.12.29	
Digital negative pressure gauge	SMC/ZSE40A-01-R	2025.12.11	
Gas flow meter	TOKOYO KEISO/TF-601C	2025.12.16	
Standard Test Sieve	W.S. Tyler/No.200/2204F01T1	2025.04.01	
Temperature and humidity logger	SATO/SK-L200TH II	2025.03.01	
Platform Scale	Jadever/PW-11K	2025.02.23	
Test wire	PTL/P10.38/0602	2025.06.06	

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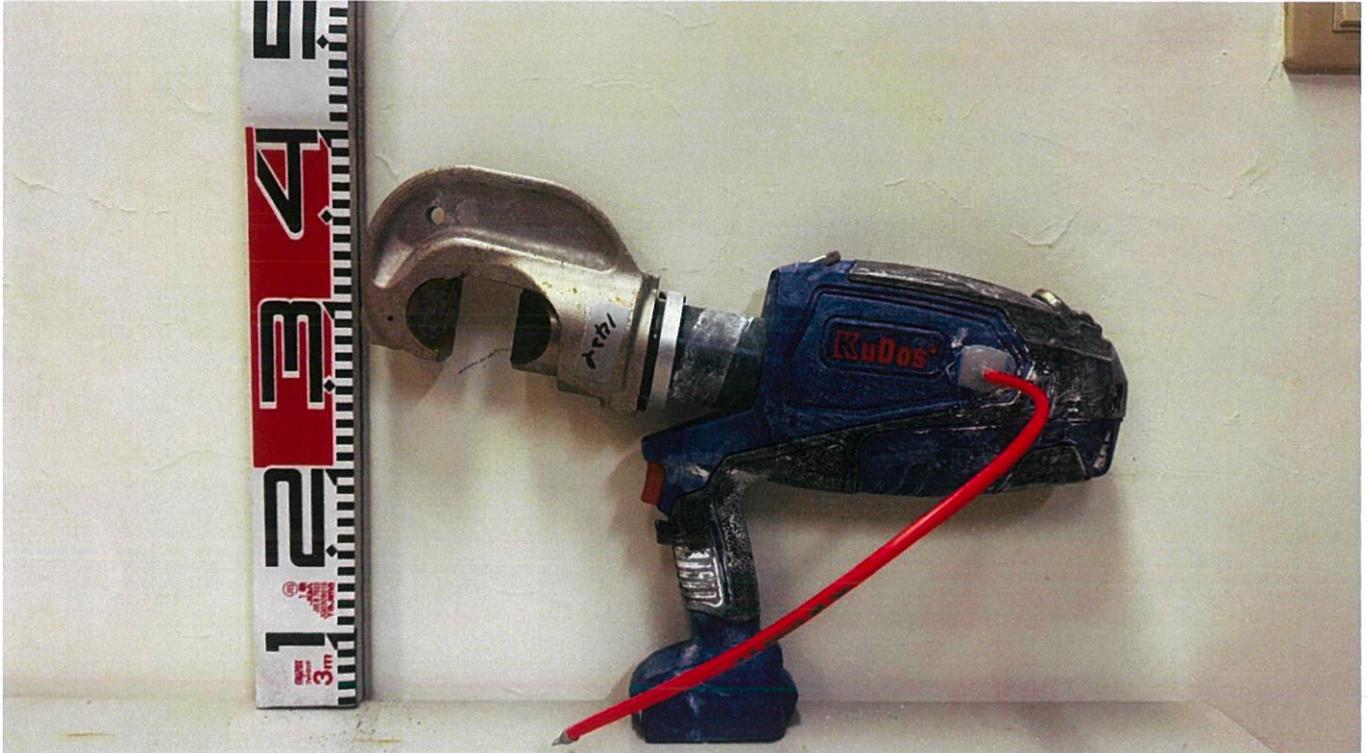
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Photovoltaic and Lighting Laboratory

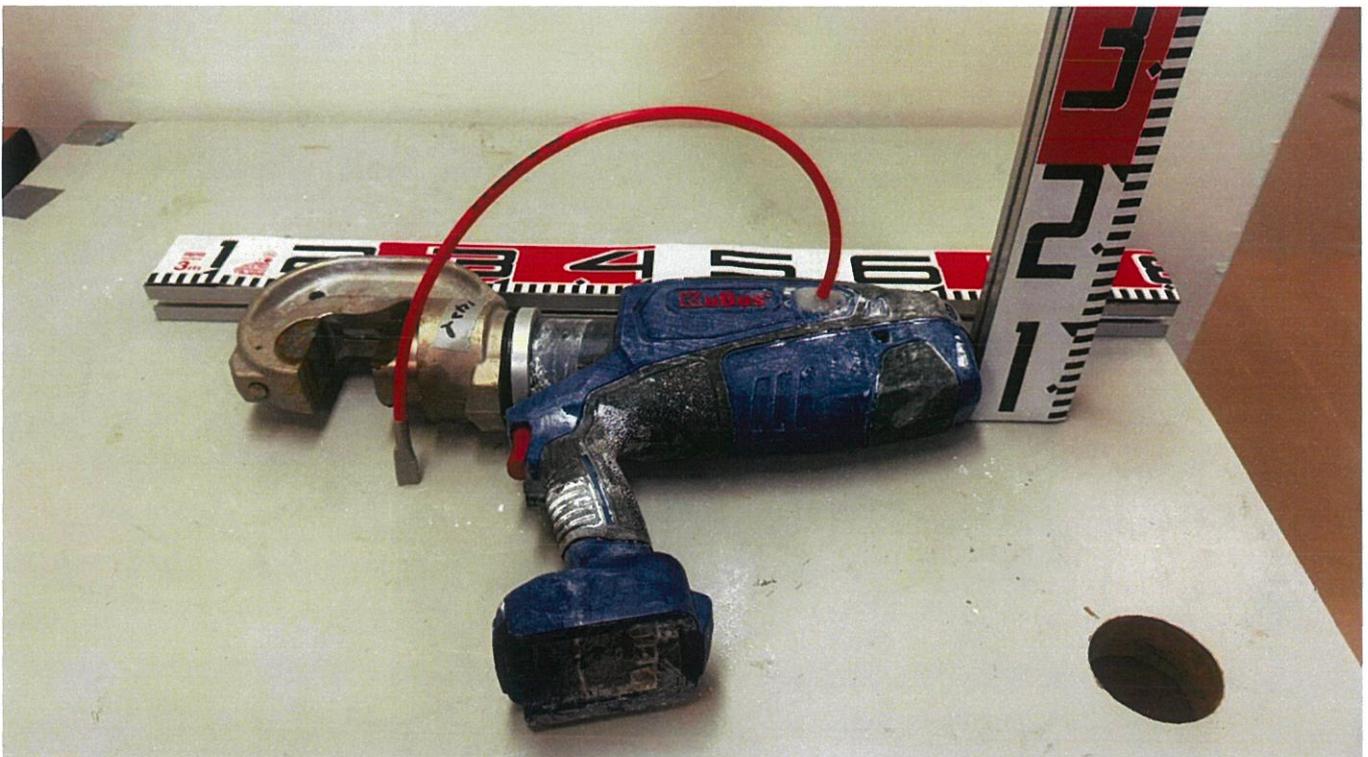
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4.PHOTO :

Appearance of specimen



Appearance of specimen





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Appearance of specimen (Sealant applied)

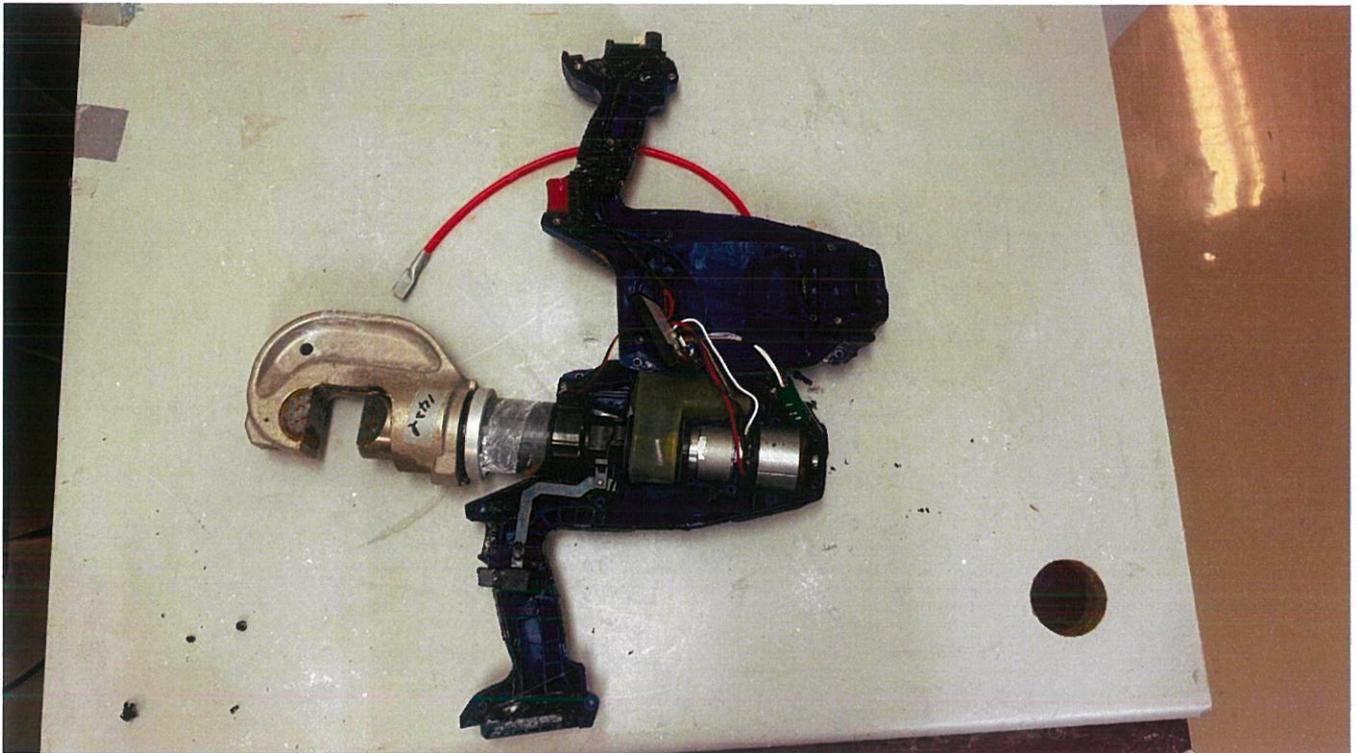


Appearance of specimen (Sealant applied)

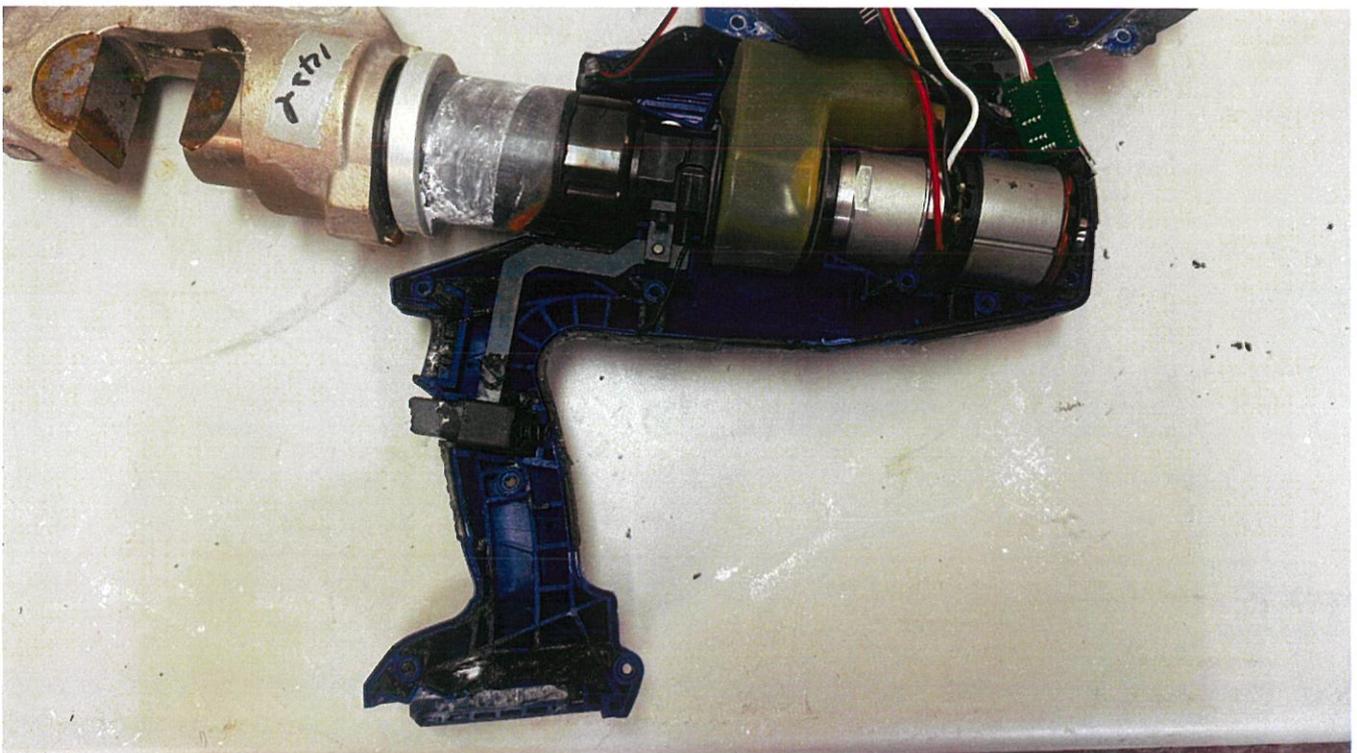




Appearance of specimen

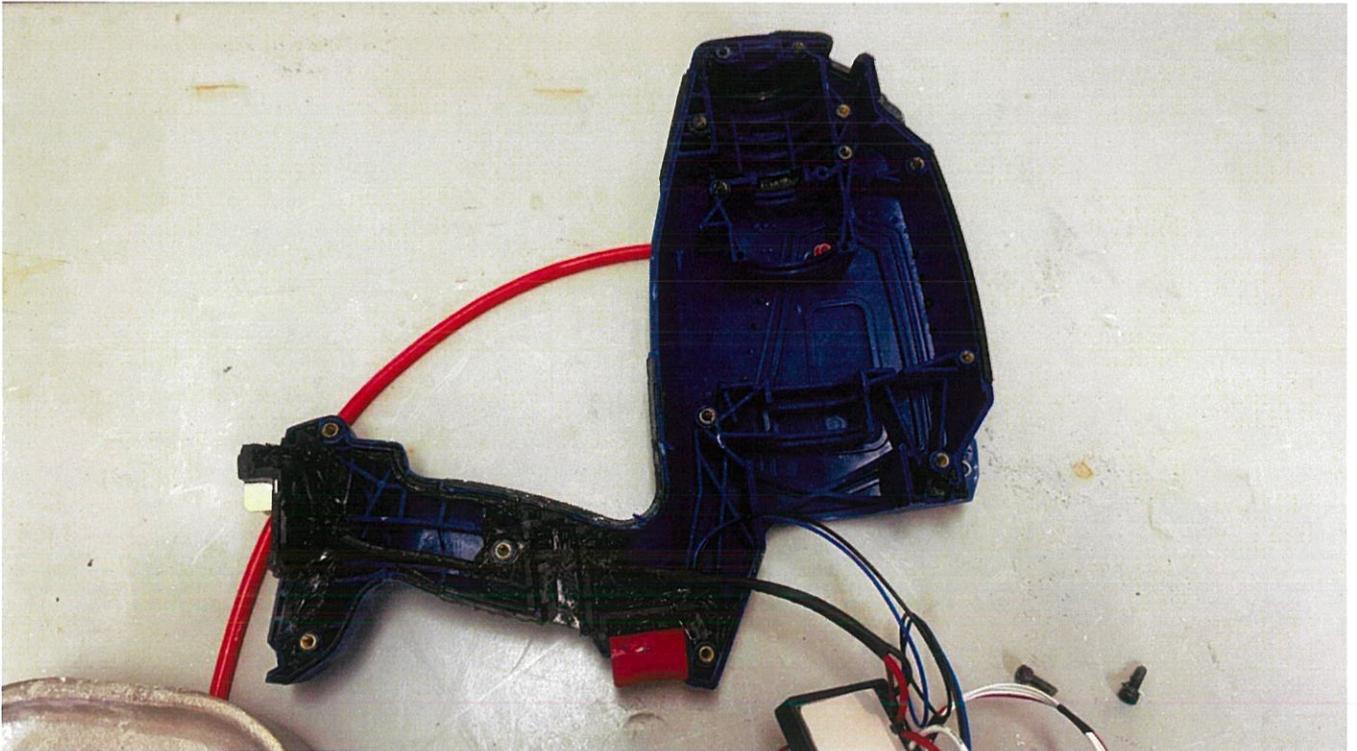


Appearance of specimen (Sealant applied)

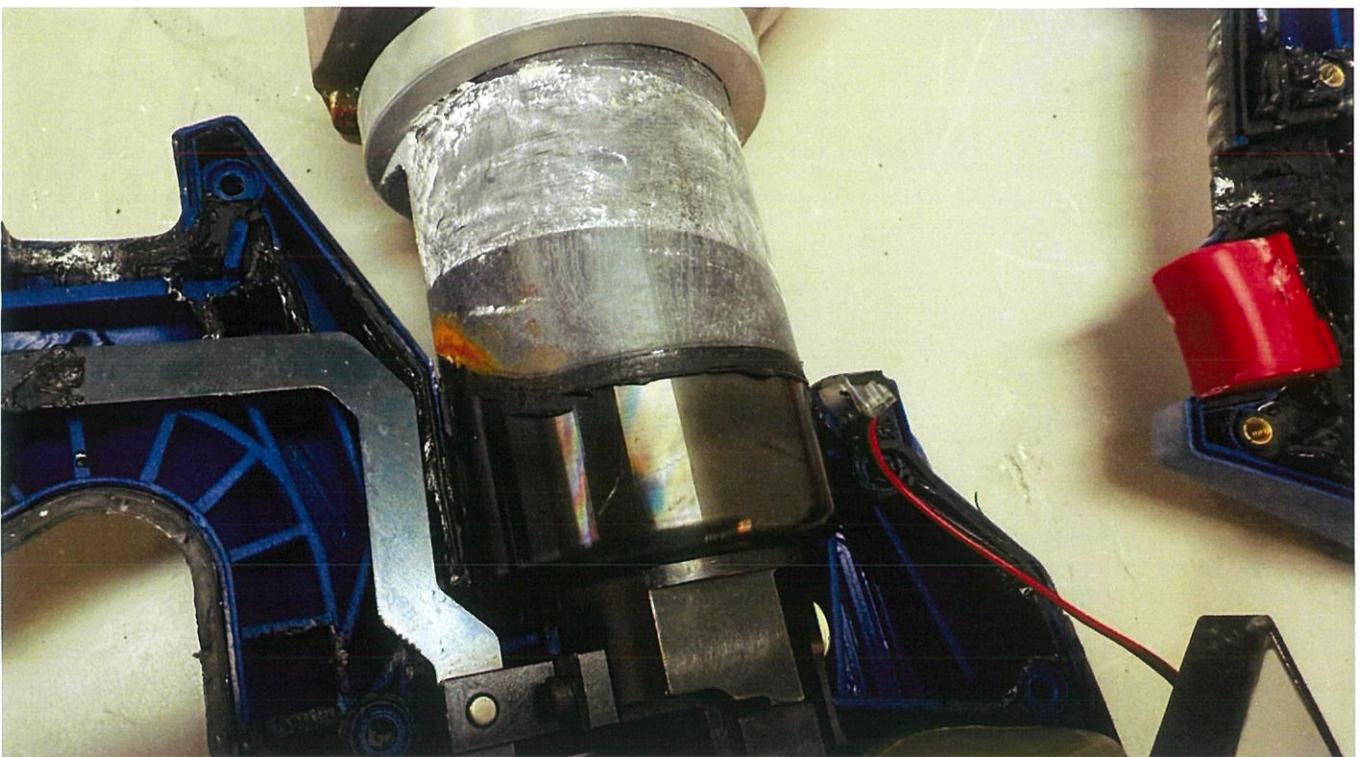




Appearance of specimen (Sealant applied)



Appearance of specimen (Sealant applied)





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Appearance of specimen (Sealant applied include trigger)

