

DC ISOLATOR SWITCH

Certificates
SAA, TUV, CE, CB, IEC

IP Rating
IP66



Zertifikat Certificate

TÜVRheinland

Zertifikat Nr. Certificate No. Blatt Sheet
 R 50416960 0001

Ihr Zeichen Client Reference Unser Zeichen Our Reference Ausstellungsdatum Date of Issue
 T.L. 01-ZWC-50178337 001 31.08.2018 (day/month/year)

Genehmigungsinhaber License Holder Fertigungstätte Manufacturing Plant
 SUNTREE Electric Co., Ltd. Xinguang Industrial Zone, Liushi Town, Yueqing City, Zhejiang P. R. China
 SUNTREE Electric Co., Ltd. Xinguang Industrial Zone, Liushi Town, Yueqing City, Zhejiang P. R. China

Prüfzeichen Test Mark Geprüft nach Tested acc. to
 EN 60947-3:2009+A1+A2

Zertifiziertes Produkt (Geräteidentifikation) Lizenzentgelte - Einheit
 Certified Product (Product Identification) License Fee - Unit

Switch-disconnector (PV Switch-disconnector)

Type Designation			
1) SISO-40	2) SISO-40MD		8

Ambient Temperature : -40°C to +85°C
 Utilization Category : DC-PV2
 Polarity : No polarity
 Number of Poles : 4P
 Rated Operational Voltage (Ue) : 600/800/1000/1200VDC
 Rated Current (Ie)
 (Code S1): 600V/40A, 800V/25A, 1000V/16A, 1200V/10A
 (Code S2): 600V/40A, 800V/40A, 1000V/32A, 1200V/32A
 (Code S3): 600V/50A
 (Code S4): 600V/40A, 800V/40A, 1000V/32A, 1200V/32A
 Rated Insulation Voltage (Ui) : 1500V
 Rated Impulse Withstand Voltage: 8,0kV

Continued on page 0002

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es besiegelt die Konformität des Produktes mit den oben genannten Standards und Prüfvorgängen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich beachtet werden. Die Fertigung des zertifizierten Produktes wird überwacht. This certificate is based on our Testing and Certification Regulations and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
 Tel: +49 221 896-1371 e-mail: cert.safety@tuv.com
 Fax: +49 221 896-3935 http://www.tuv.com/safety

Zertifizierungsstelle

 Jie Zhang

CERTIFICATE

TÜVRheinland

of Conformity
 Low Voltage Directive 2014/35/EU


Registration No.: AN 50416963 0001
 Report No.: 50178337 001

Holder: SUNTREE Electric Co., Ltd.
 Xinguang Industrial Zone,
 Liushi Town, Yueqing City,
 Zhejiang
 P. R. China

Product: Switch-disconnector
 (PV Switch-disconnector)

Identification: Type Designation: SISO-40 SISO-40MD
 (Suntree)
 Serial No. : Engineering samples
 Remark: Issued in conjunction with TÜV Rheinland license
 R 50416960 0001 to 0002.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with Annex I of Council Directive 2014/35/EU, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex IV of the Directive.

Certification Body

 Jie Zhang

Date: 31.08.2018

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may be used if all relevant and effective EC Directives are complied with. **CE**

SAA APPROVALS

Certificate of Conformity
 Addendum

Certificate No.: SAA-181998-EA
 Date of Issue: 12 September 2018
 Class Description: DC Isolator
 Product Description: PV Switch-Disconnector

General Modification:
 Change of temperature range from (-25°C to +85°C) to (-40°C to +85°C).
 Use of additional ratings
 1200Vdc (Ie=10, 32A), 1000Vdc (Ie=16, 32A), 800Vdc (Ie=25, 40A), 600Vdc (Ie=40, 50A).

Additional Models Description
 SISO-40MD Similar to SISO-40 except rated IP20 and without external enclosure.

For and on Behalf of
SAA Approvals Pty Ltd

SAA Approvals Pty Ltd is accredited by JAS-ANZ under ISO/IEC 17065 and declared a REC2 under QIE Electrical Safety Act 2002 and Electrical Safety Regulations 2012 certifies in accordance with the SAA Approvals Electrical Product Safety Certification Scheme that the product nominated in this certificate complies with standards listed.

When using the RCM the requirements of all relevant parts of AS/NZS 4477 applicable to the article must be fulfilled.

For SAA Contact Details and to verify this Certificate go to:
 www.saaapprovals.com.au www.jas-anz.org/register

Issued: 29-09-18 181998/3a
 Correction to model Description

JAS-ANZ CERTIFIED

IEC CB SCHEME

Ref. Certif. No.
 HU-002314

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product: PV Switch-disconnector

Name and address of the applicant: SUNTREE Electric Co., Ltd.
 Xinguang Industrial Zone, Liushi Town, Yueqing, Zhejiang, P.R. China

Name and address of the manufacturer: SUNTREE Electric Co., Ltd.
 Xinguang Industrial Zone, Liushi Town, Yueqing, Zhejiang, P.R. China

Name and address of the factory: SUNTREE Electric Co., Ltd.
 Xinguang Industrial Zone, Liushi Town, Yueqing, Zhejiang, P.R. China

Note: When more than one factory, please report on page 2

Ratings and principal characteristics: U1=1500V; Uimp=8kV; -40°C to +85°C; No polarity; DC-PV2; Ue: 600V/800V/1000/1200V DC; Ie=10A...50A; IP66 (SISO-40), IP20 (SISO-40MD) (see Test item particulars and General product information of Test Report for further details)

Trademark (if any): **suntree**

Customer's Testing Facility (CTF) Stage used: ---

Model / Type Ref.: SISO-40, SISO-40MD

Additional information (if necessary may also be reported on page 2): ---

A sample of the product was tested and found to be in conformity with: IEC 60947-3:2008 + AMD1:2012 + AMD2:2015
 IEC 60947-1:2007 + AMD1:2010 + AMD2:2014

As shown in the Test Report Ref. No. which forms part of this Certificate: 1W180887

This CB Test Certificate is issued by the National Certification Body

TÜVRheinland
 TÜV Rheinland InterCert Kft., Division MEEI
 H-1132 Budapest, Váci út 48/A-B
 www.tuv.hu

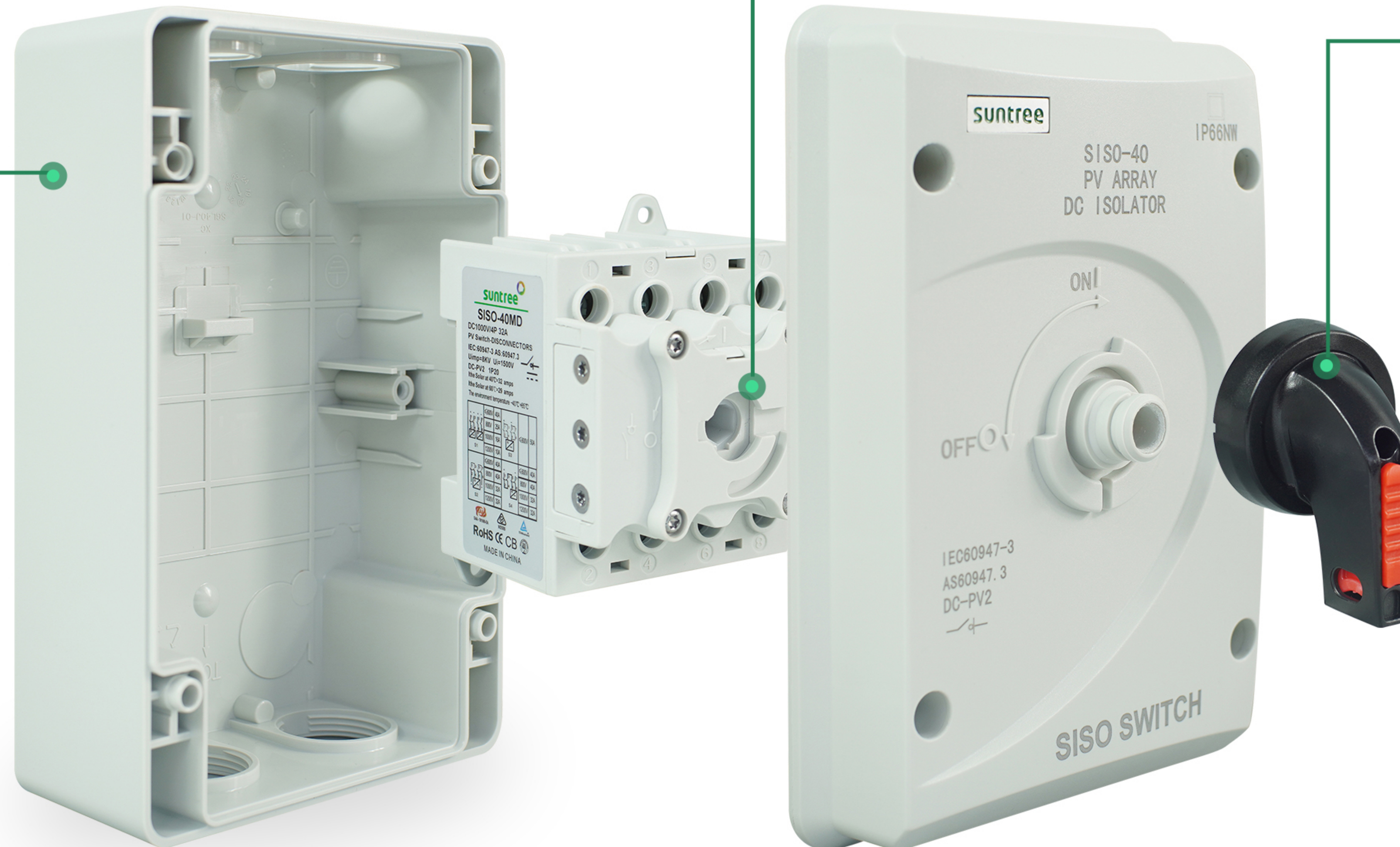
Date: 2018-08-27
 Signature: Gabor Kassa



Each pole contact equipped with arc extinguish system, can eliminate arc immediately when switch off.

Flexible installation
Wall-mounted design

Rational operational design prevents reverse incorrect rotation.

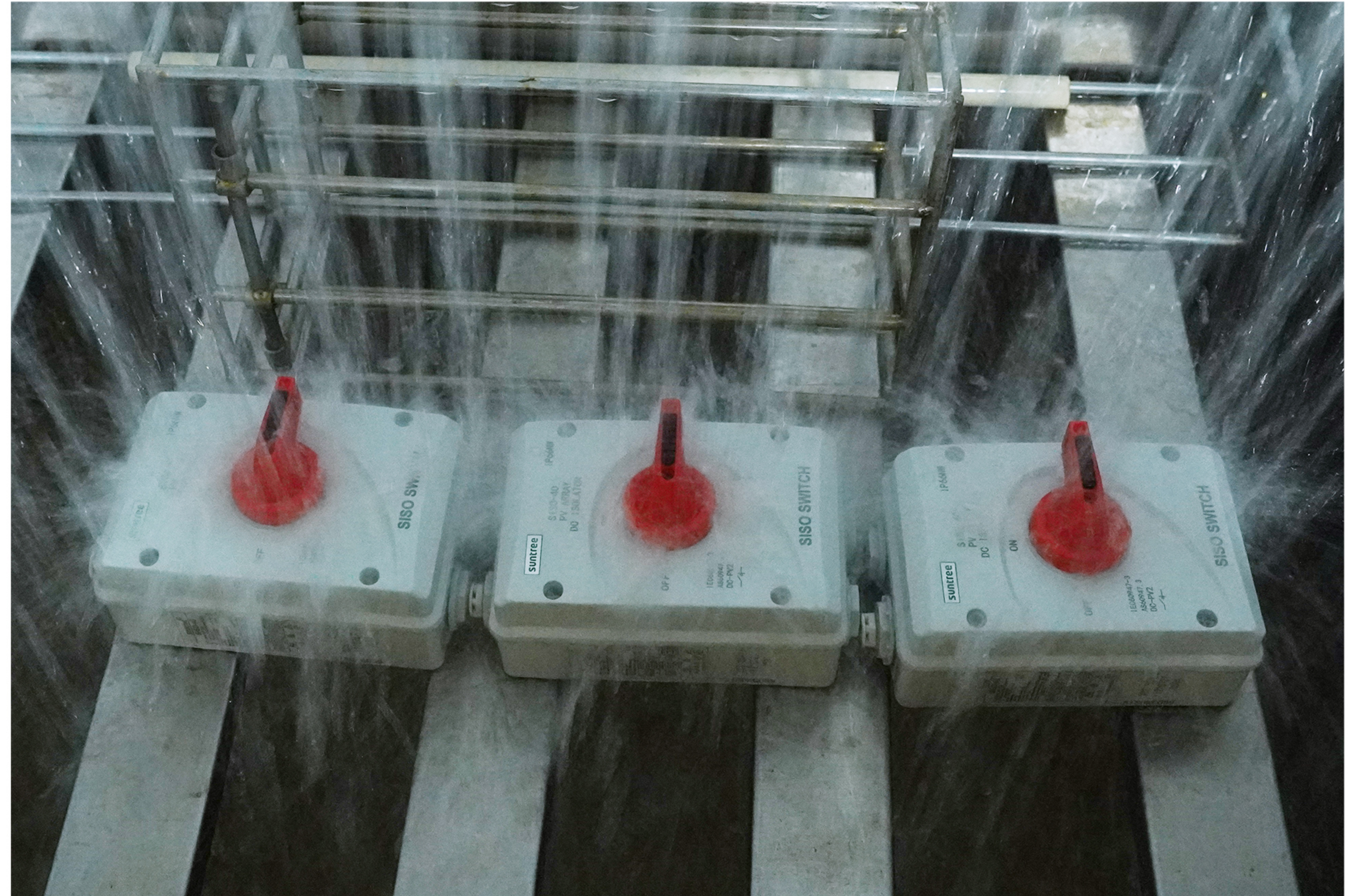
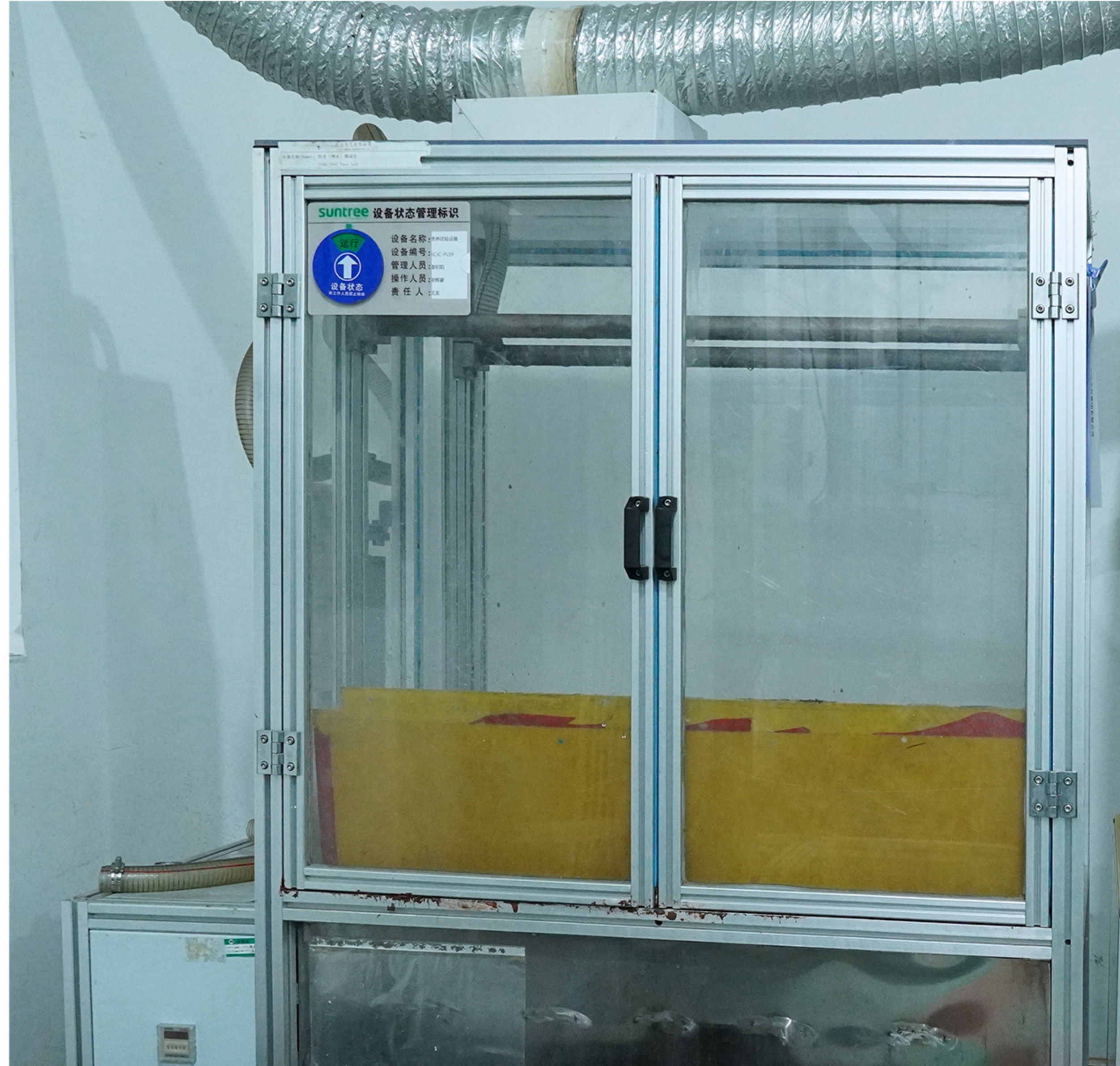




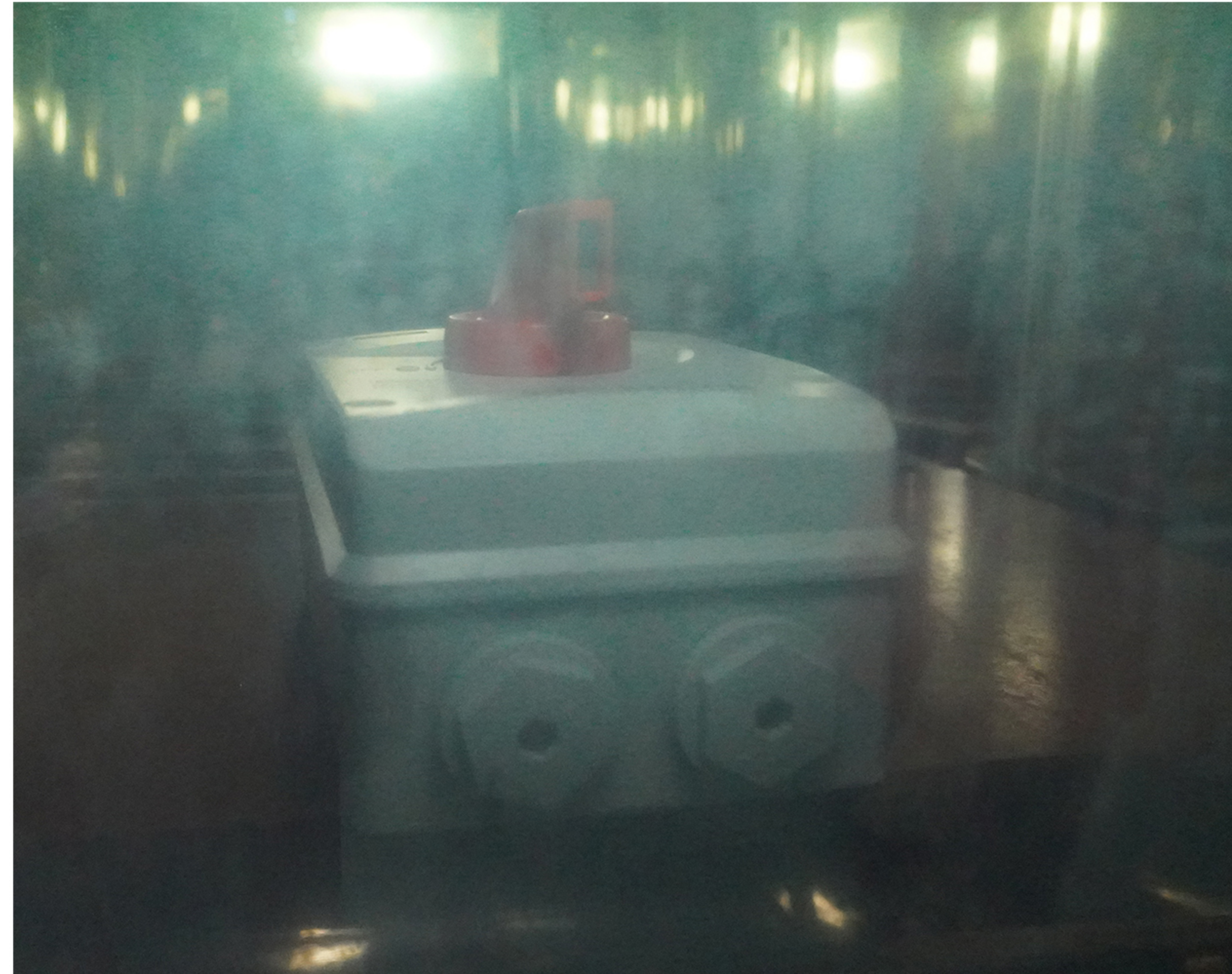
960°C flame retardant test

The flame can be extinguished by itself with in 30 seconds after high-temperature combustion, no molten liquid drip from the product, and the cotton wool 30 cm below the product will not be ignited. It belongs to the **Vo** fire protection class.

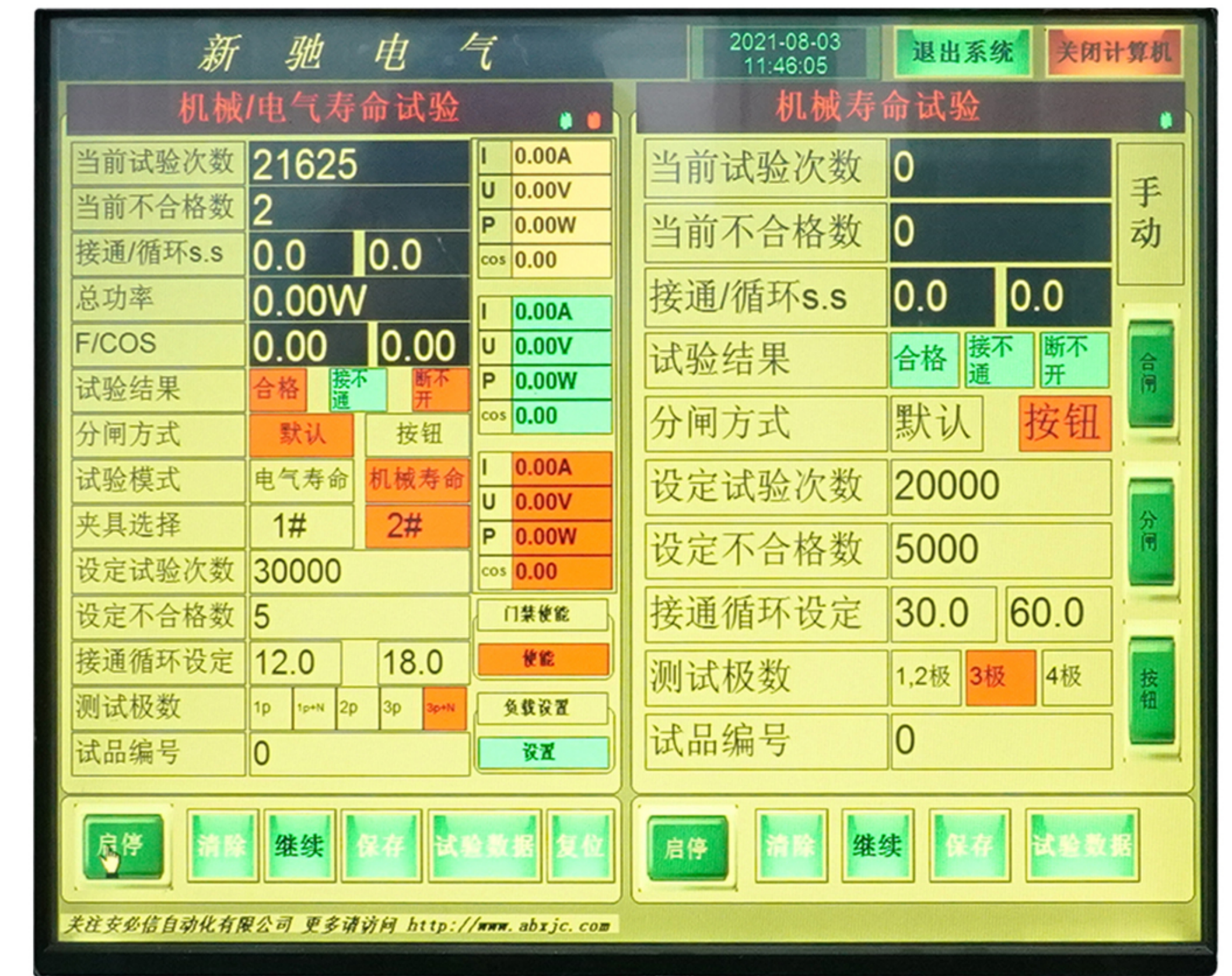
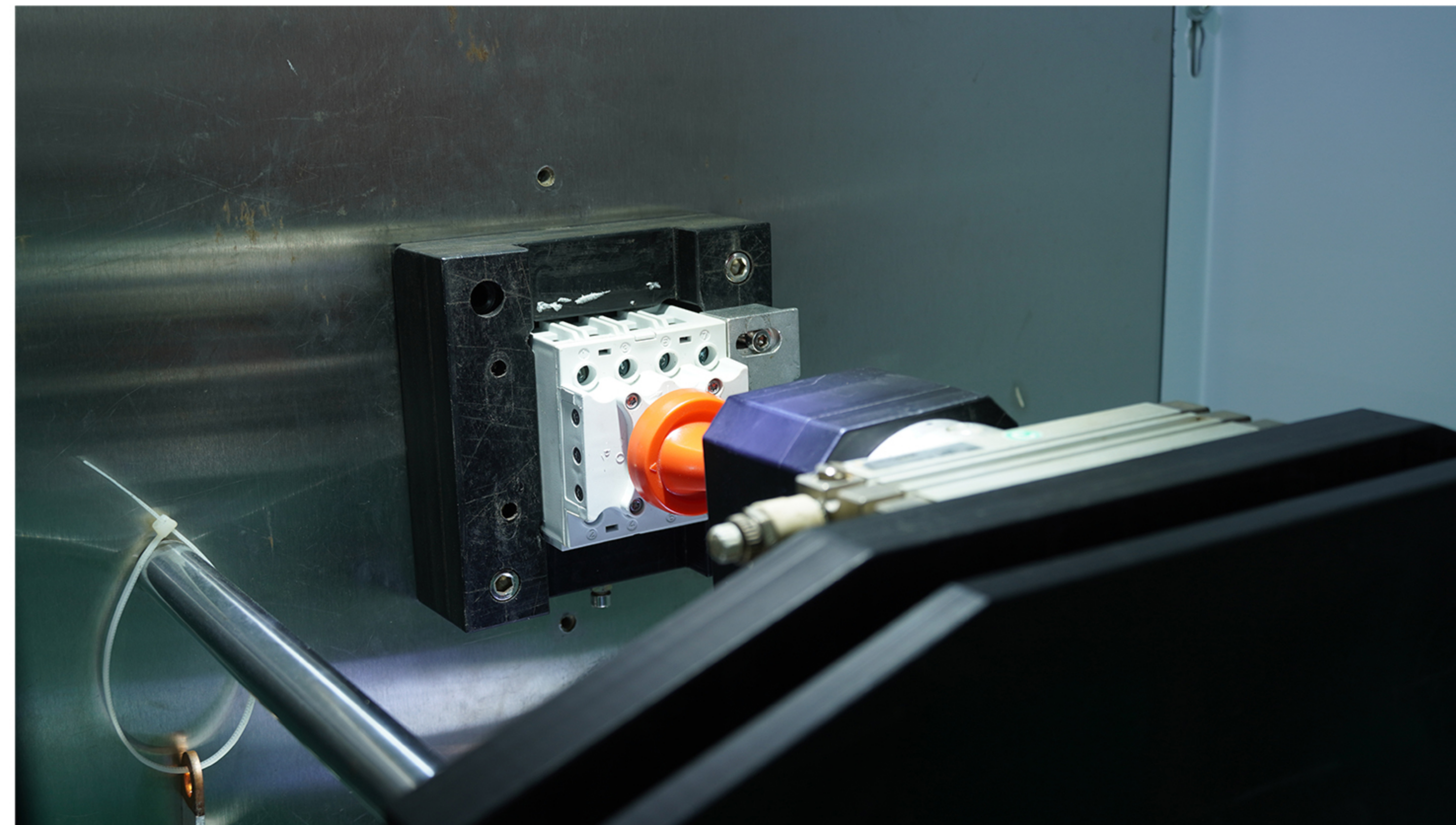




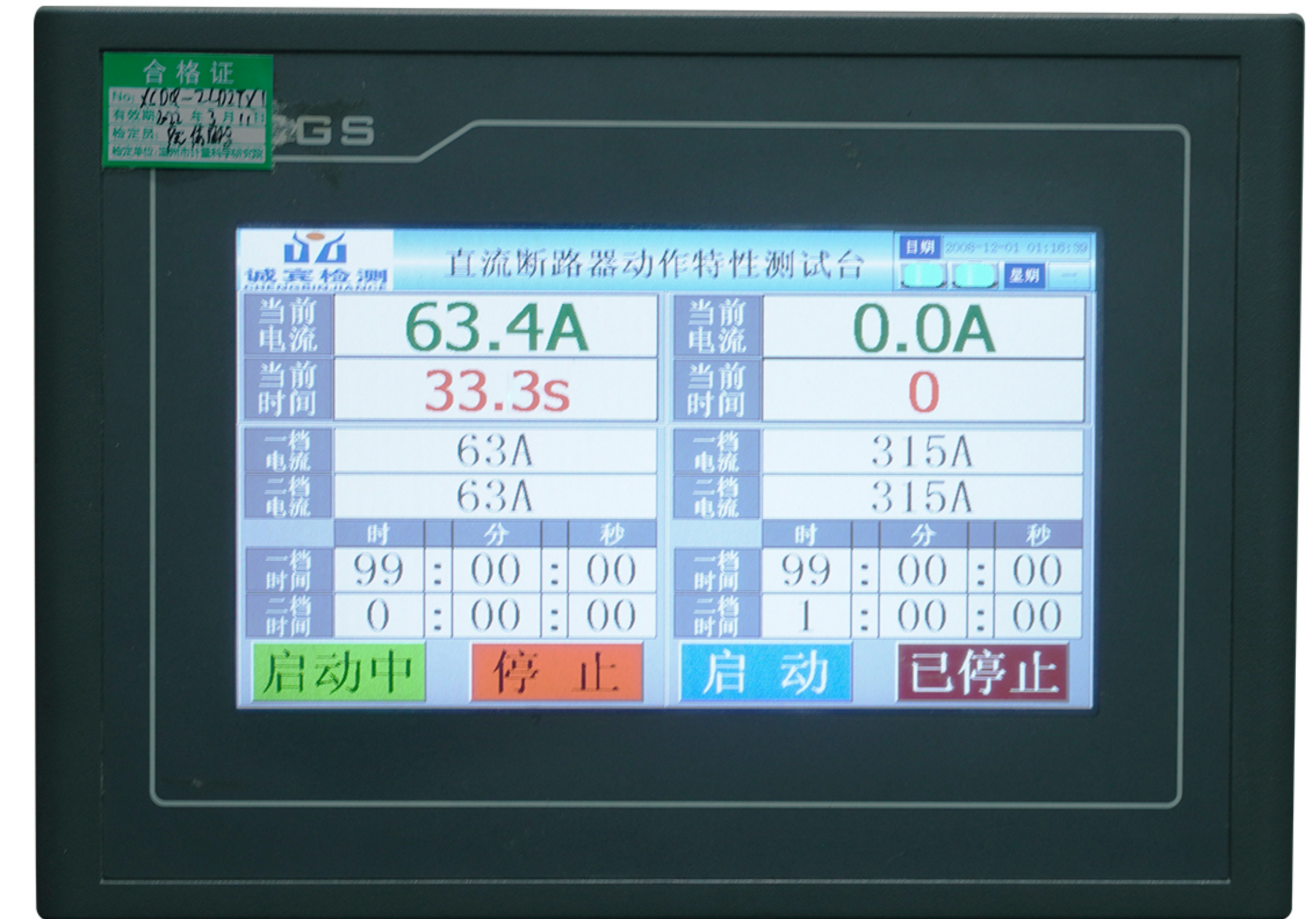
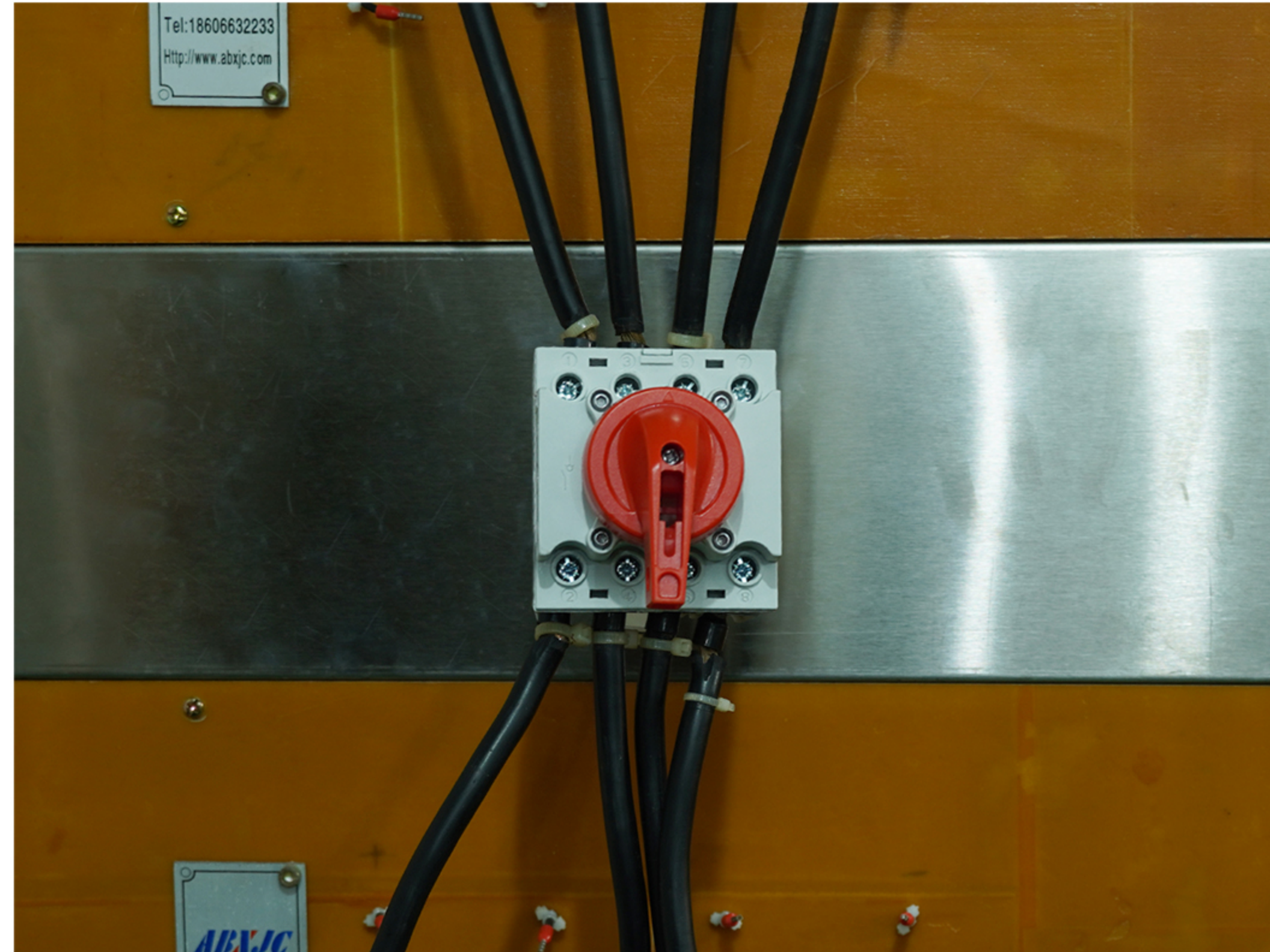
The Waterproof rating of SISO Isolation switch can reach **IP66**. The waterproof test adopts IP67 standard products, placed in the test box, soaked in water or sprayed directly on the product from any direction, the product can withstand the impact of violent water spray, and there is no possibility of water ingress.



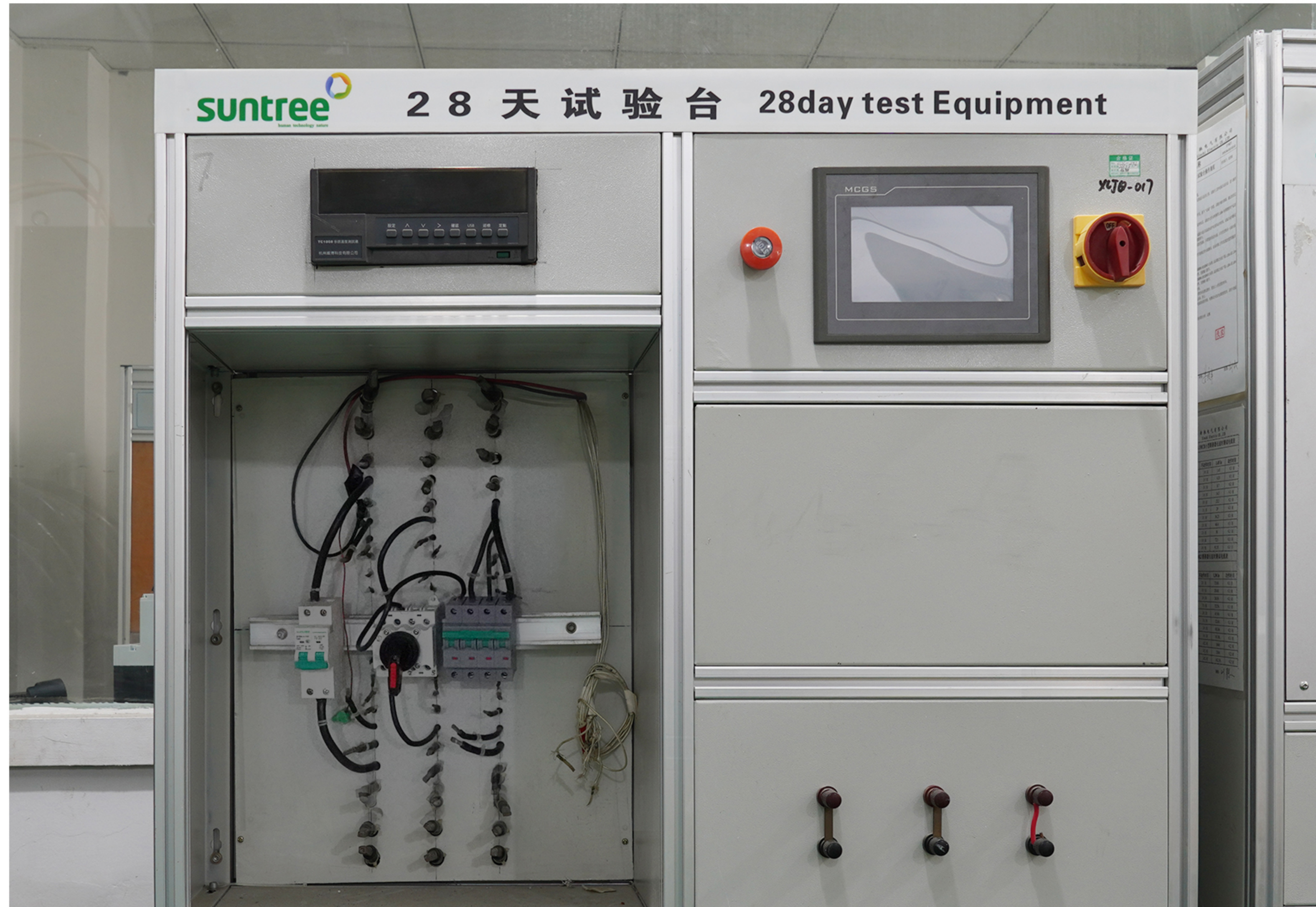
Place the product in the test box for 48 hours, set a high temperature of 85°C , a humidity of 95% , a low temperature of -40°C to simulate whether the extreme environment affects the product.



8000 times of opening and closing under power failure, test handle utilization.



The temperature rise test is an important test to ensure the safety and stability of the product. The ambient temperature of the test is required to be 10~40°C, and the terminal temperature minus the ambient temperature should be less than or equal to 65K to qualify.



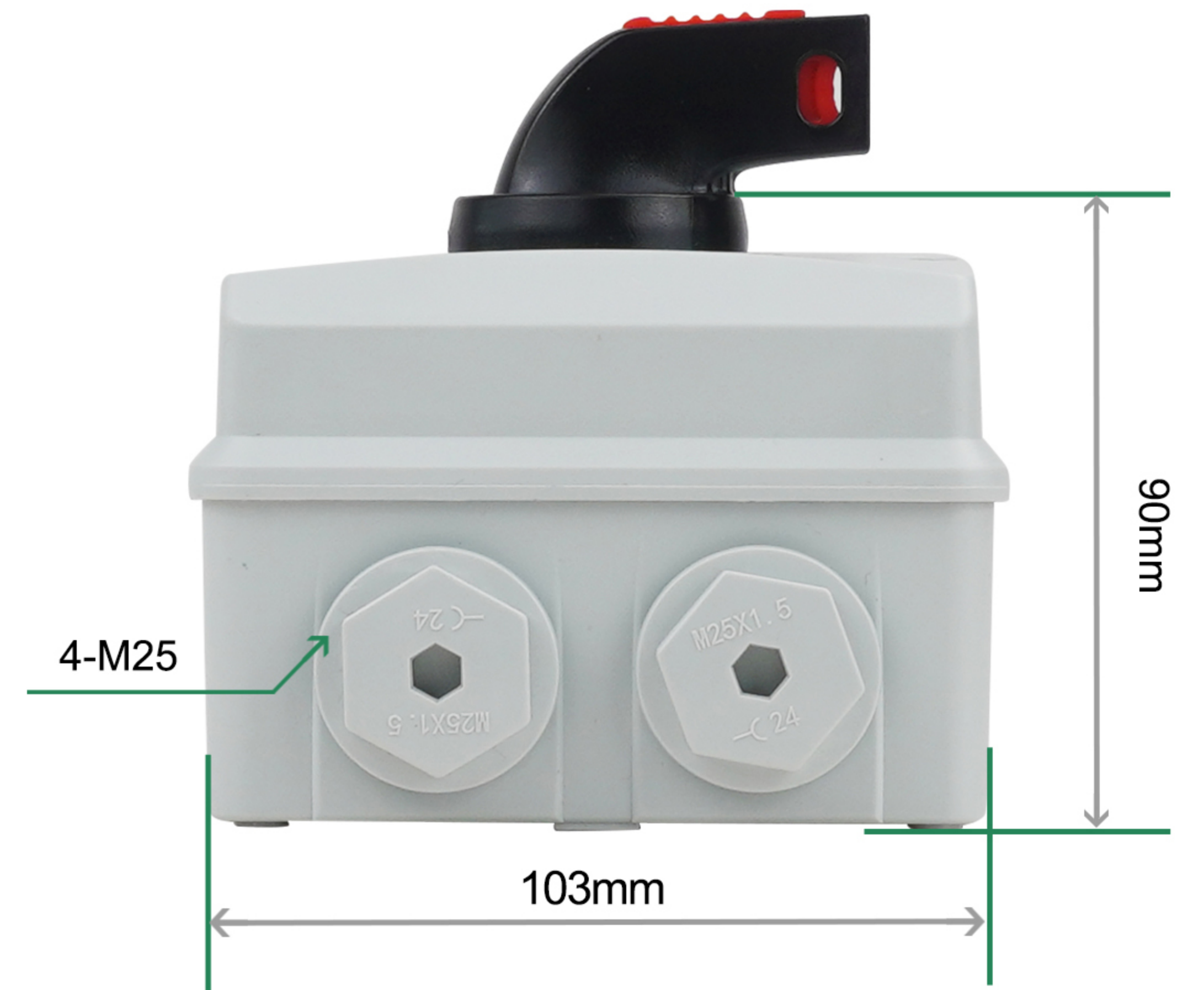
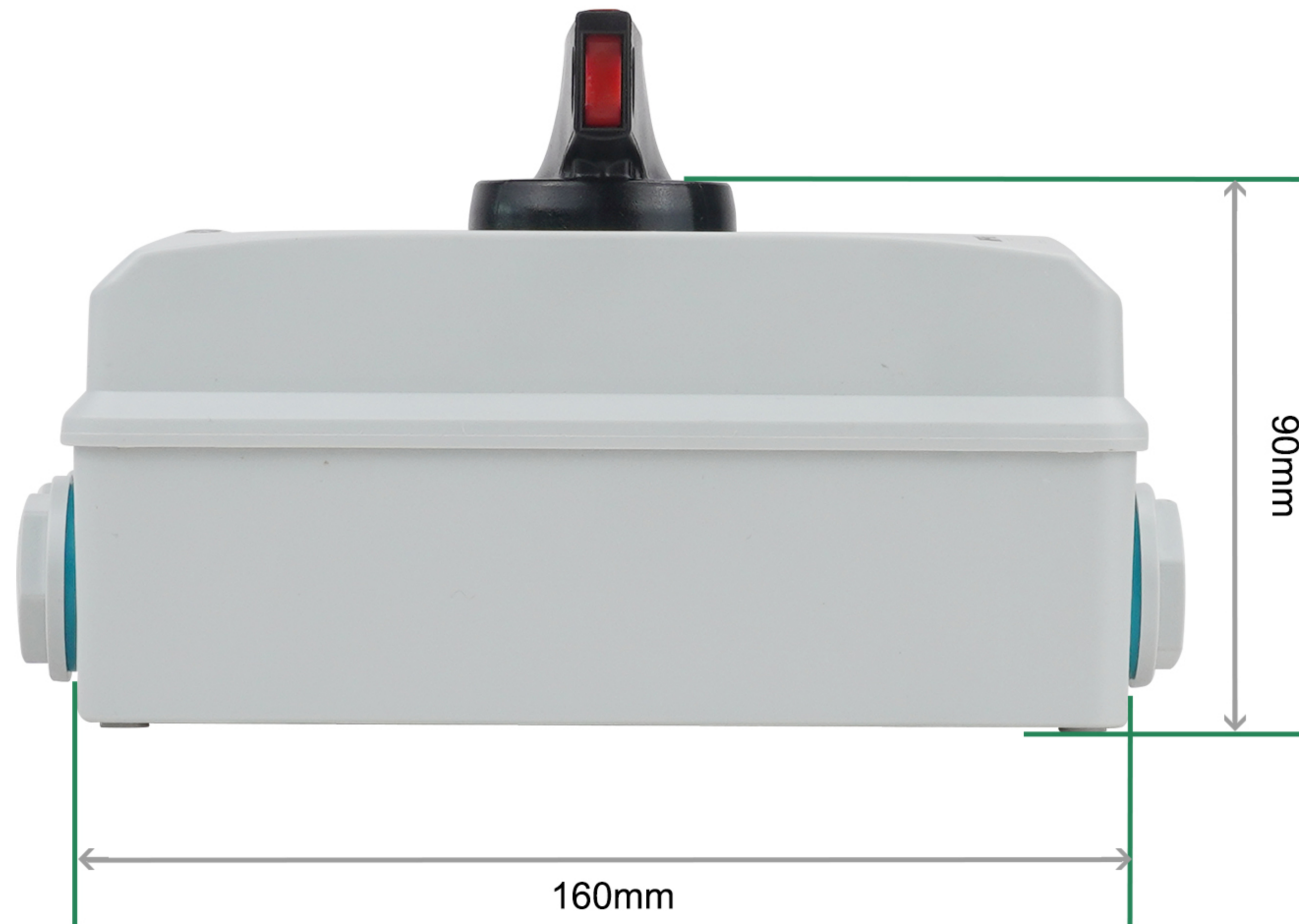
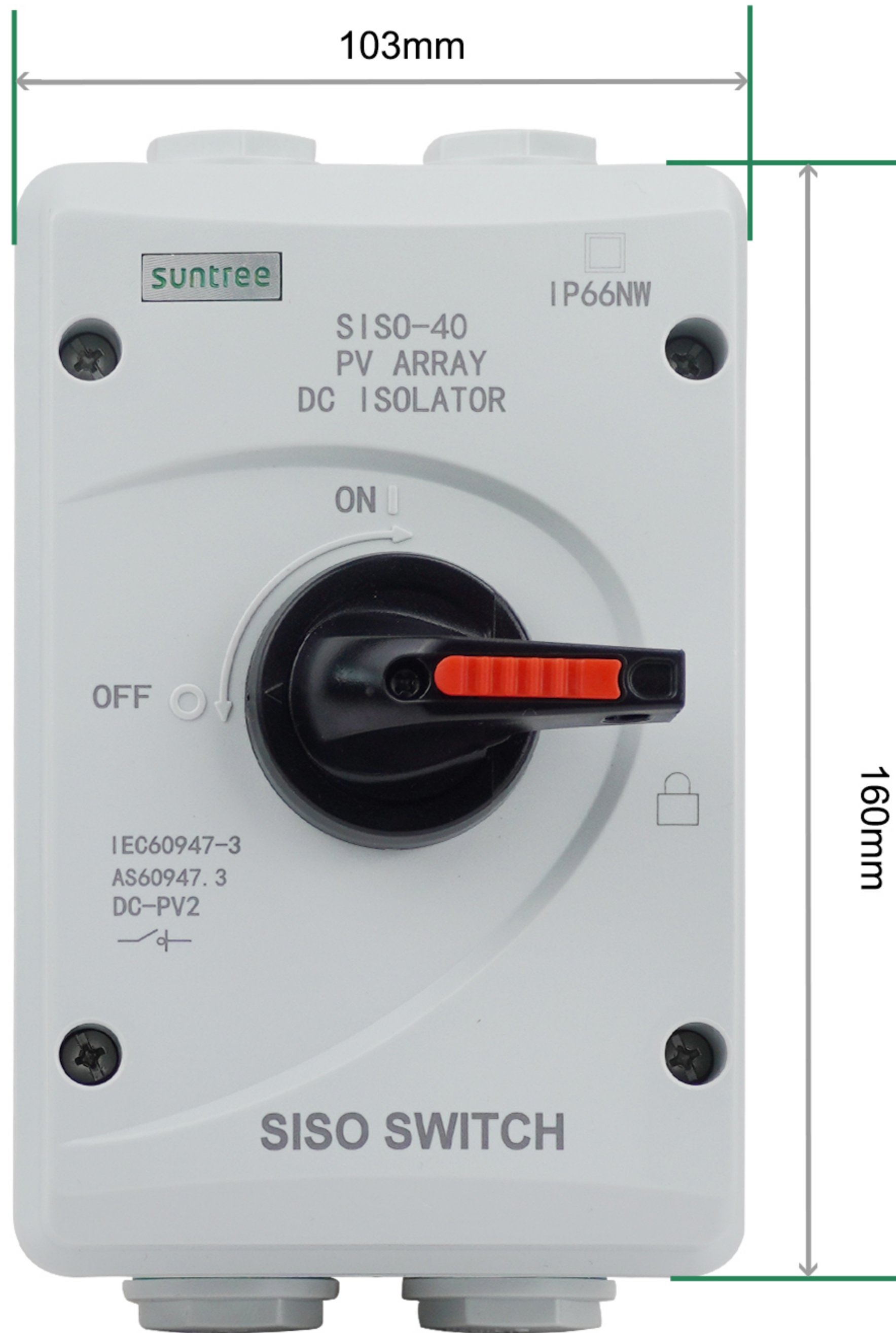
Through the test, verify the reliability of the long-term operation of the inner core of the waterproof isolating switch



Shockproof

Anti-fall

Prevent product damage in transit.





Up-in down-out



down-in down-out



Inner box sticker



Outer box sticker



When the product is put into storage, the label on the box can conveniently count and identify the quantity, which is convenient to find and improving work efficiency.



WEIGHT REFERENCE	
Product model	SISO-40
N.W./pcs	0.6KG
QTY of inner box	1PCS
G.W./pcs	0.7KG
QTY of outside box	20PCS
Weight of one Carton	14KG
This parameter is for reference only.	

suntree
human technology nature

// www.chinasuntree.com