

Certificate of Compliance

Certificate Number:

UL-US-2558481-0

Report Reference:

E529552-20250303

Issue Date:

2025-03-23

Issued to:

Zhejiang Jiangshan Yuanguang Electric Co., Ltd.
No. 1, Xinggong Eighth Road, Jiangdong District, Jiangshan
Economic Development Zone, , Quzhou, Zhejiang Sheng,
324123, CN

This certificate confirms that representative samples of:

XPLH - Transformers, Distribution, Liquid-filled Type, Over 600 Volts

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

IEEE C57.12.00, Issue Date: 2021-11-09

Additional Information:

See UL Product IQ® at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



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Form-ULID-019496 – ver 1.0

A handwritten signature in black ink, appearing to read 'David Piecuch'.

David Piecuch
UL Mark Certification Program Owner

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CERTIFICATE OF COMPLIANCE

Certificate number UL-US-2558481-0
Report reference E529552-20250303
Date 2025-03-23

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Transformers, Distribution, Liquid-Filled, Substation Type

Model(s): SA-XXXX/YY.YYY/Z.ZZZ FOR UL, where S represents three phase, A represents Winding Material, blank represents copper, "XXXX" = 112.5~7500 which represents the rated power 112.5~7500 KVA, "YY.YYY" = 17.000~26.000 which represents the maximum Hv system voltage 17 KV~26 KV, step with 1 V, "Z.ZZZ" = 0.1~4.16 which represents the maximum Lv system voltage 0.1 KV~4.16 KV, step with 1 V. (X or Y or Z may be blank).
FOR CUL, where S represents three phase, A represents Winding Material, blank represents copper, "XXXX" = 112.5~3000 which represents the rated power 112.5~3000 KVA, "YY.YYY" = 17.000~26.000 which represents the maximum Hv system voltage 17 KV~26 KV, step with 1 V, "Z.ZZZ" = 0.1~4.16 which represents the maximum Lv system voltage 0.1 KV~4.16 KV, step with 1 V. (X or Y or Z may be blank).



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Certificate of Compliance

Certificate Number:

UL-CA-2543835-0

Report Reference:

E529552-20250303

Issue Date:

2025-03-23

Issued to:

Zhejiang Jiangshan Yuanguang Electric Co., Ltd.
No. 1, Xinggong Eighth Road, Jiangdong District, Jiangshan
Economic Development Zone, , Quzhou, Zhejiang Sheng,
324123, CN

This certificate confirms that representative samples of:

**XPLH7 - Transformers, Distribution, Liquid-filled Type, Over 750
Volts Certified for Canada**

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

CSA C2.1, Edition 2, Issue Date 2024-07

Additional Information:

See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

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CERTIFICATE OF COMPLIANCE

Certificate number UL-CA-2543835-0
Report reference E529552-20250303
Date 2025-03-23

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Transformers, Distribution, Liquid-Filled, Substation Type

Model(s): SA-XXXX/YY.YYY/Z.ZZZ FOR UL, where S represents three phase, A represents Winding Material, blank represents copper, "XXXX" = 112.5~7500 which represents the rated power 112.5~7500 KVA, "YY.YYY" = 17.000~26.000 which represents the maximum Hv system voltage 17 KV~26 KV, step with 1 V, "Z.ZZZ" = 0.1~4.16 which represents the maximum Lv system voltage 0.1 KV~4.16 KV, step with 1 V. (X or Y or Z may be blank).
FOR CUL, where S represents three phase, A represents Winding Material, blank represents copper, "XXXX" = 112.5~3000 which represents the rated power 112.5~3000 KVA, "YY.YYY" = 17.000~26.000 which represents the maximum Hv system voltage 17 KV~26 KV, step with 1 V, "Z.ZZZ" = 0.1~4.16 which represents the maximum Lv system voltage 0.1 KV~4.16 KV, step with 1 V. (X or Y or Z may be blank).



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Test Record No. 1

GENERAL

Test Results relate only items tested.

SAMPLES

Representative samples of the manufacturer's medium voltage liquid filled three phase substation type transformers rated as shown below were submitted by the manufacturer. The transformers were evaluated to standards noted in the test record summary.

Rating:

Model	S-7500/22.9					
position	1	2	3	4	5	Unit
Primary Voltage	24045	23473	22900	22328	21755	Vac
Primary Current	180.1	184.5	189.1	193.9	199.0	A
Secondary Voltage	4160	Vac	Secondary Current		1040.9	A
Frequency	60	Hz	Power		7500	KVA
Winding material	HV	Copper		LV	Copper	
Connection	D	Y	Dyn			
BIL HV/LV/LVN	150	/	60	/	60	KV

Tests conducted on Model S-7500/22.9 were considered to represent Models SA-XXXX/YY.YYY/Z.ZZZ series due to the similar construction.



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Test items	Standard	Clause
Ratio, Polarity and phase relation tests	IEEE C57.12.90	6, 7
	IEEE C57.12.00	9.1, Table 17
	CSA C2.1	9.2 a), b), 9.3.1
Resistance Measurements	IEEE C57.12.90	5
	IEEE C57.12.00	Table 17
	CSA C2.1	9.4.2 a)
Insulation resistance	IEEE C57.12.90	10.11
	IEEE C57.12.00	Table 17
Lightning impulse	IEEE C57.12.90	10.3
	IEEE C57.12.00	5.10.7.1, Table 5, Table 17
	CSA C2.1	9.4.2 c), 9.5.5
Applied-voltage tests	IEEE C57.12.90	10.6
	IEEE C57.12.00	Table 17, 5.10.5.2
	CSA C2.1	9.2 f), 9.5.1
Induced-voltage test	IEEE C57.12.90	10.7
	IEEE C57.12.00	Table 3, Table 17, 5.10.5.3
	CSA C2.1	9.2 g), 9.5.2
No-load losses and excitation current	IEEE C57.12.90	8
	IEEE C57.12.00	Table 17, 5.9, 9.3
	CSA C2.1	9.2 c), d), 9.3.2
Measurement of short-circuit impedance and load loss	IEEE C57.12.90	9
	IEEE C57.12.00	Table 17, 5.9, 9.3
	CSA C2.1	9.2 e), 9.3.2, 9.3.3
Audible sound levels	IEEE C57.12.90	13
	IEEE C57.12.00	Table 17, 8.2.3
	CSA C2.1	4.8
Temperature Rise	IEEE C57.12.90	11
	IEEE C57.12.00	Table 17, 5.11
	CSA C2.1	9.4.2 b), 9.6
Dissolved gas in oil analysis	IEEE C57.12.00	Table 17
Pressure and Leak	IEEE C57.12.00	Table 17
	CSA C2.1	9.2 h), 8.2
Low-frequency test on auxiliary devices and control	IEEE C57.12.00	Table 17
Operation tests of all devices	IEEE C57.12.00	Table 17
Lifting and moving devices	IEEE C57.12.00	Table 17



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The method and results of these tests have been reviewed and found to be in accordance with the requirements standards noted in the test record summary.

Test Record Summary

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the standards IEEE C57.12.00, STANDARD GENERAL REQUIREMENTS FOR LIQUID-IMMERSED DISTRIBUTION, POWER, AND REGULATING TRANSFORMERS, Issue Date 11/09/2021, IEEE C57.12.90, TEST CODE FOR LIQUID-IMMERSED DISTRIBUTION, POWER AND REGULATING TRANSFORMERS - CORRIGENDUM 1: EDITORIAL AND TECHNICAL CORRECTIONS, Issue Date 11/09/2021, and CSA C2.1, Single-Phase and Three-Phase Liquid-Filled Distribution Transformers, Edition 2, Revision Date 07/2024 and therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report. Any information and documentation involving UL Mark services are provided on behalf of UL LLC Inc. (UL) or any authorized licensee of UL.



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CONCLUSION

Sample of the products covered by this Report has been found to comply with the requirements covering the category and the products are found to comply with UL's applicable requirements. The description and test result in this Report are only applicable to the sample(s) investigated by UL and does not signify UL certification or that the products described are covered under UL's Follow-Up Service Program. When covered under UL's Follow-Up Service Program, the manufacturer is authorized to use the UL Certification Mark on such products which comply with UL's Follow-Up Service Procedure and any other application requirements of UL LLC. The Certification Mark of UL LLC on the product, or the UL symbol on the product and the Certification Mark on the smallest unit container in which the product is packaged, is the only method to identify products investigated by UL to published requirements and manufactured under UL's Certification and Follow-Up Service.

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