

No XG19101249









# TEST REPORT

Specimen: High voltage / Low voltage Prefabricated Substation

**Model:** YB □ -33/0.4 630

Consignor: Wenzhou Rockwill Electric Co.,Ltd

Test Type: Type test

National High-low Voltage Electrical Apparatus Quality Supervision and Inspection Center (NEIC)

Gansu Electric Apparatus Research Institute

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Remark	The electromagnetic compatibility (EMC) test involved in this report was completed West Liaoyuan Road, Shetang Industrial Furk, Tianshui Economic and Technologic Development Zone, Gansu Province, P.R China; the remaining testing items we completed in No. 6-6 Changkai Road, Qinztou District, Tianshui City, Gansu Province.				

#### **NEIC**

## **Test Report**

# Application No.: WG19101115

Test conclusion

Specimen: YB<sub>\pi</sub>-33/0.4-630 High voltage / Low voltage Prefabricated Substation

Consignor: Wenzhou Rockwill Electric Co.,Ltd.

Consignor address: Dongyan Village, Wengying Street, Yueqing City, Wenzhou,

Zhejiang, China

Manufacturer: Wenzhou Rockwill Electric Co., Ltd.

Manufacturer address: Dongyak Village, Wengying Street, Yueqing City, Wenzhou,

Zhejiang, China

Ex-factory number:201807139

Ex-factory date: July 2018

Receipt date of the specimen: Augst 2019
Test dates: August 8, 2019 ~ August 25, 2019

#### Test items:

Design and visual inspection (factory inspection)

Wiring correctness check(factory inspection)

**Earthing continuity check (factory inspection)** 

**Functional test (factory inspection)** 

Main circuit insulation test (factory inspection)

Auxiliary and control circuit insulation test (factory inspection)

Insulation test (type test) [power frequency voltage: high voltage chamber phase to phase, phase to ground 95kV/1min, across the isolating distance 118kV/1min; low-voltage main circuit 2500V/1min; high-voltage chamber lightning impulse voltage: phase to phase, phase to ground 185 kV, across the isolating distance 215kV.

#### **Verification of creepage distance (type lest)**

Temperature rise test (type test) [17.02A/909A(high voltage circuit / low voltage circuit)]

Main circuit short-time withstand unrent and peak withstand current test (type test) [main circuit:30kA (rms), 63kA (peak), 1s; earthing circuit: 20kA (rms), 2s; 50 kA (peak), 0.3s]

Earthing circuit continuity test (type test) [ $\leq 100 \text{m} \Omega$ ]

**Functional test (type test)** 

**Verification of protection degree (type test)** [enclosure:IP44]

Verification of enclosure withstand mechanical stress test (type test)

Verification of sound level test (type test) [≤45dB]

### Test Basis:

IEC6 330 1995 High-voltage/low-voltage prefabricated substation

IFC 6.271-202:2006 High-voltage switchgear and controlgear - Part 202: High-voltage/low eltage refabricated substation

#### **'est Conclusion:**

The test results of all items comply with regulations of test standards and technical documents; the

Drafted	Wang	Reviewed Na	Yan Audited	l Liv Yan	Approved	Hu
by:	Xiawa	by:	by:	12	by:	Xinming
Signature:	王雅娟	Signature:	J_ Signa	nture:	Signature:	trigan

Date: Date:

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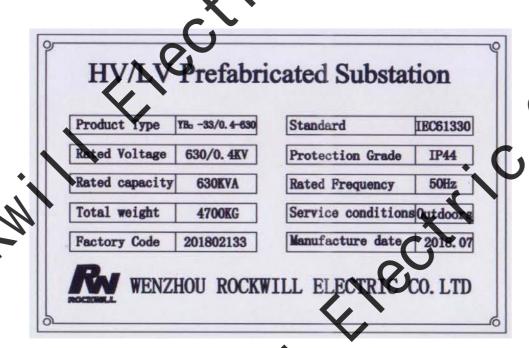
The main components matching with specimen				
1. Transformer	•			
Model specifications:	M-630/33			
Ex-factory date:	Feb 2018			
Ex-factory number:	201802485			
Manufacturer:	Wenzhou Rockwill Electric Co.,Ltd			
2. Fan				
Model specifications:	matching with the transformer			
Ex-factory date:				
Ex-factory number:				
Manufacturer:	/			
3. High voltage switchgear	7			
Model specifications:	RMR40.5C/630-20、RMR40.5V 630-20			
Ex-factory date:	March 2018			
Ex-factory number:	201802452 201802453			
Manufacture	Wenzhou Rockwill Electric ,Ltd			
4. lightning arrester	.112			
Model pecifications:	YH10WZ			
Ex-factory date:	February 2018			
Ex-factory number:	201802010			
Manufacturer:	Zhejiang Haiv Electric Co.,Ltd			
5. Protection relay				
Model specifications:	R 250			
Ex-factory date:	February 2018			
Ex-factory number:	201802280			
Manufacturer:	Wenzhou Rockwill Electric Co.,Ltd			
6. Low-voltage switchgear	<u> </u>			
Model specifications:	NA1-1600/3			
Ex-factory date:	February 2018			
Ex-factory number:	201802214			
Manufacturer:	CHINT Electric Co., Ltd.			
7. Power capacitor	<u> </u>			
Model specifications:	BSMJ-0.415-40.3			
Ex-factory date:	February 2018			
Ex-factory number:	201802541			
Manufacturer	CHINT Electric Co., Ltd.			
8. Enclosure				
Manufacturer:	Self-made			

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# Photos of the specimen

Photos of the specimen appearance (including appearance and nameplate):





-CKW!