

NEIC[®]

No_XG19101248



中国认可
国际互认
检测
TESTING
CNAS L0107



TEST REPORT

Specimen: High voltage / Low voltage Prefabricated Substation

Model: YB□-33/0.4-500

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**



NEIC		Test Report		Application No.: WG19101115	
Catalogue					
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Remark	The electromagnetic compatibility (EMC) test involved in this report was completed in West Liaoyuan Road, Shetang Industrial Park, Tianshui Economic and Technological Development Zone, Gansu Province, P.R China; the remaining testing items were completed in No. 6-6 Changkai Road, Qinzhou District, Tianshui City, Gansu Province.				

NEIC		Test Report		Application No.: WG19101115			
Test conclusion							
<p>Specimen: YB□-33/0.4-500 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: Dongyan Village, Wengying Street, Yueqing City, Wenzhou, Zhejiang, China Ex-factory number:201807122 Ex-factory date: July 2018 Receipt date of the specimen: Augst 2019 Test dates: August 8, 2019~August 25, 2019</p>							
<p>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 test) Temperature rise test (type test) [8.75A/722A(high voltage circuit / low voltage circuit)] Main circuit short-time withstand current 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) [≤100mΩ] 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]</p>							
<p>Test Basis: IEC61330-1995 <i>High-voltage/low-voltage prefabricated substation</i> IEC 62271-202:2006 <i>High-voltage switchgear and controlgear - Part 202: High-voltage/low voltage prefabricated substation</i></p>							
<p>Test Conclusion: The test results of all items comply with regulations of test standards and technical documents; the relevant performances of the specimen are qualified.</p>							
Drafted by:	Wang Xiawa	Reviewed by:	Na Yan	Audited by:	Liu Yan	Approved by:	Hu Xinming
Signature:		Signature:		Signature:		Signature:	
Date:	2019.10.11	Date:	2019.10.11	Date:	2019.10.11	Date:	2019.10.11


The main components matching with specimen

1. Transformer	
Model specifications:	S13-M-500/33
Ex-factory date:	Feb 2018
Ex-factory number:	201802486
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	
Model specifications:	RMR40.5C/630-20、RMR40.5V/630-20
Ex-factory date:	March 2018
Ex-factory number:	201802454 201802455
Manufacturer:	Wenzhou Rockwill Electric Co.,Ltd
4. lightning arrester	
Model specifications:	YH10WZ
Ex-factory date:	February 2018
Ex-factory number:	201802281
Manufacturer:	Zhejiang Haivo Electric Co.,Ltd
5. Protection relay	
Model specifications:	RP500
Ex-factory date:	February 2018
Ex-factory number:	201802215
Manufacturer:	Wenzhou Rockwill Electric Co.,Ltd
6. Low-voltage switchgear	
Model specifications:	NA1-1250/3
Ex-factory date:	February 2018
Ex-factory number:	201802216
Manufacturer:	CHINT Electric Co., Ltd.
7. Power capacitor	
Model specifications:	BSMJ-0.415-40.3
Ex-factory date:	February 2018
Ex-factory number:	201802542
Manufacturer:	CHINT Electric Co., Ltd.
8. Enclosure	
Manufacturer:	Self-made

Photos of the specimen

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



HV/LV Prefabricated Substation			
Product type	YB-33/0.4-500	Standard	IEC61330
Rated Voltage	33/0.4KV	Protection Grade	IP44
Rated capacity	500KVA	Rated Frequency	50Hz
Total weight	4100KG	Service conditions	Outdoors
Factory Code	201802122	Manufacture date	2018.07
 WENZHOU ROCKWILL ELECTRIC CO. LTD			