

运行证明 Operation Certification

1000kV 潍坊变电站(昌乐特高压站)位于山东省潍坊市, 经纬度为东经118°10'-120°01',北纬35°32'-37°26'。

1000kV Weifang substation is located in Shandong, Weifang, east longitude 118°01'~120°01',north latitude 35°32'~37°26'.

1000kV 潍坊变电站,站内 GIS 采用了江苏神马电力股份有限公司产品,工程供货清单如下表所示:

1000kV Weifang substation .The GIS in the station have adopted SHEMAR products. The details of the supply of insulators are as under:

应用设备	产品类型	电压等级	数量
Applied device	Specification	Voltage	Quantity
	空心复合绝缘子		
GIS	Composite hollow	1000kV	23
	insulator		

江苏神马电力股份有限公司 国家能源电力绝缘复合材料重点实验室
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直流场避雷器 Surge Arrester	空心复合绝缘子 Composite hollow	1000kV	96
CVT	insulator		92
合计			0.01
Total			201

2017年8月,该变电站投入试运行,至今为止,未对复合 绝缘子进行任何维护工作,包括但不限于清洗、清扫和喷涂防污 闪涂料等。至今为止所有复合产品运行状态良好。

In August 2017, the substation was put into operation, so far, no maintenance work has been done on the composite insulators, including but not limited to cleaning and spraying of anti-fouling paint. Up to now all composite products are running well.

特此证明 Hereby certify



此页无正文 单位名称 (公 Name of unit (official seal): 期: E 201873/13 Date:

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运行证明 Operation Certification

1000kV 济南变电站(泉城特高压站)位于山东省济南市, 经纬度为东经117°00′,北纬36°40′,站区紫外线照射强烈, 年均日照时数1870.9小时。

1000kV Jinan substation is located in Shandong, Jinan, east longitude 117°00',north latitude36°40'. Ultraviolet radiation is intense; the average annual sunshine hours are 1870.9 hours.

1000kV 济南变电站,站内 GIS 采用了江苏神马电力股份有限公司产品,工程供货清单如下表所示:

1000kV Jinan substation .The GIS in the station have adopted SHEMAR products. The details of the supply of insulators are as under:

应用设备	产品类型	电压等级	数量]
Applied device	Specification	Voltage	Quantity	



	空心复合绝缘子		
GIS	Composite hollow	1000kV	13
	insulator		
合计			10
Total			13

2017年8月,该变电站投入试运行,至今为止,未对复合 绝缘子进行任何维护工作,包括但不限于清洗、清扫和喷涂防污 闪涂料等。至今为止所有复合产品运行状态良好。

In August 2017, the substation was put into operation, so far, no maintenance work has been done on the composite insulators, including but not limited to cleaning and spraying of anti-fouling paint. Up to now all composite products are running well.

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Hereby certify



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单位名称	四(公章):
Name of	unit (official seal):
日	期:
Date:	2018/3/13



运行证明

Operation Certification

湘潭换流站位于湖南省湘潭市,经纬度为东经111°58′— 113°05′,北纬27°21′—28°05′。

Xiangtan converter station is located in Xiangtan , Hunan, east longitude 111° 58′ —113° 05′ ,north latitude 27° 21′ —28° 05′ .

湘潭换流站,站内采用了江苏神马电力股份有限公司产品, 工程供货清单如下表所示:

Xiangtan converter station, The station has adopted SHEMAR products. The details of the supply of insulators are as under:

应用设备	产品类型	电压等级	数量
Applied device	Specification	Voltage	Quantity
PLC 电抗器	十十万人加加了		
PLC reactor	支柱复合绝缘子	\pm 800kV	6
隔离开关	Composite post		
Isolating switch	insulator	±800kV	71

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insulator			
	合计	I	
	Total		77

2017年6月,该变电站投入试运行,至今为止,未对复合 绝缘子进行任何维护工作,包括但不限于清洗、清扫和喷涂防污 闪涂料等。至今为止所有复合产品运行状态良好。

In June 2017, the substation was put into operation, so far, no maintenance work has been done on the composite insulators, including but not limited to cleaning and spraying of anti-fouling paint. Up to now all composite products are running well.

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单位名称(公章):

Name of unit (official seal):

日期:2018、3、13

Date:



江苏神马电力股份有限公司 国家能源电力绝缘复合材料重点实验室
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