

运行证明 Operation Certification

晋北换流站（运行名雁门关换流站）位于山西省朔州市，是±800千伏特高压雁淮直流输电工程起点站。

Jinbei converter station (Yanmenguan converter station) is located in Shuozhou, Shanxi. It is the starting point of Yanmenguan-huaiian UHVDC projects.

晋北换流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：

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

应用设备 Applied equipment	产品类型 Specification	电压等级 Voltage	数量 Quantity
平波电抗器 Smoothing reactor	支柱复合绝缘子 Composite post insulator	±800kV	50
PLC电抗器 PLC reactor		±800kV	6
隔离开关 Isolating switch insulator		±800kV	71
合计 Total			127

2017年6月，该变电站投入试运行，至今已安全运行240天以上，运行期间未对复合绝缘子进行任何维护工作。

In June 2017, the substation was put into operation, and it has been over 240 days for safe operation so far. In the meanwhile, no maintenance work has been done on the composite insulators.

特此证明

Hereby certify

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单位名称（公章）：

Name of unit (official seal):

日期：2018.3.13

Date: