



深圳能源集团妈湾发电总厂装机容量6x300MW，年供电量占深圳市用电负荷的30%以上。其厂用电保护一直采用西门子的产品，从7SJ600/602到7SJ68，西门子保护的稳定可靠和卓越性能赢得了客户的信赖。7SJ68专为发电厂和供电系统用户设计，是集保护、控制、测量、通信于一体的智能电子装置；它提供了大屏幕显示，全中文人机界面，因此调试和操作非常方便；整机在德国严格按国际标准进行了型式实验，电磁兼容性优异。妈湾发电总厂在脱硫改造项目和厂用电改造项目都选用了7SJ68。

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### 供货范围

SIPROTEC 4微机综合保护测控装置：

- 74台7SJ68多功能过流保护继电器
- 4台7SJ62多功能过流保护继电器
- 3台7UT612变压器差动保护继电器



## 深圳能源集团妈湾发电总厂

具有全中文操作界面的西门子保护7SJ68  
专为发电厂和供电系统用户设计

[www.siemens.com.cn/ea](http://www.siemens.com.cn/ea)

**SIEMENS**



Shenzhen Mawan Power Plant (Mawan PP), affiliated to Shenzhen Energy Group, has total installation capacity of 6 x 300MW units and its annual power generation accounts for over 30% total power consumption in Shenzhen. Siemens protection devices, from 7SJ600/602 to 7SJ68 are always used for the auxiliary power protection of Mawan PP because of their stability, reliability and distinguished performance. SIPROTEC 4 7SJ68 is customized for power plants and power utilities in the Chinese market and is an IED that integrates protection, control, measurement and communication in one. 7SJ68 offers a big LC display with Chinese HMI and thus the commissioning and operation is very convenient. The complete device of 7SJ68 passed the type test in Germany strictly in accordance with international standards and its electromagnetic compatibility is excellent. 7SJ68 is used in Mawan PP for its auxiliary power protection reconstruction project as well as its desulfuration project.

Siemens Ltd., China, Power Transmission and Distribution, Energy Automation

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## Scope of supply

### SIPROTEC 4 numerical multifunction protection relay with local control

- 74 x 7SJ68 Multifunction overcurrent protection relays
- 4 x 7SJ62 Multifunction overcurrent protection relays
- 3 x 7UT612 Transformer differential protection relays



## Shenzhen Mawan Power Plant

Siemens SIPROTEC 4 7SJ68 with Chinese HMI  
special designed for Power Plants and Utilities

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