院士庭超充站谐波电压统计表

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 参数 |  | AB |  | BC |  | AC |  | 限值 |
| 平均值 | 95%值 | 平均值 | 95%值 | 平均值 | 95%值 |
| 基波电压(kV) |  | 10.18 | 10.28 | 10.19 | 10.30 | 10.18 | 10.28 | — |
| 2至25次谐波电压含有率(%) | 2 | 0.01 | 0.02 | 0.01 | 0.02 | 0.01 | 0.02 | 1.60 |
| 3 | 0.06 | 0.10 | 0.19 | 0.27 | 0.23 | 0.29 | 3.20 |
| 4 | 0.02 | 0.04 | 0.02 | 0.03 | 0.01 | 0.03 | 1.60 |
| 5 | 1.51 | 2.04 | 1.37 | 1.89 | 1.46 | 2.02 | 3.20 |
| 6 | 0.02 | 0.03 | 0.01 | 0.03 | 0.02 | 0.04 | 1.60 |
| 7 | 0.77 | 1.01 | 0.66 | 0.90 | 0.77 | 0.98 | 3.20 |
| 8 | 0.03 | 0.05 | 0.01 | 0.02 | 0.03 | 0.04 | 1.60 |
| 9 | 0.07 | 0.10 | 0.03 | 0.05 | 0.08 | 0.10 | 3.20 |
| 10 | 0.02 | 0.03 | 0.02 | 0.04 | 0.01 | 0.03 | 1.60 |
| 11 | 0.30 | 0.45 | 0.31 | 0.46 | 0.27 | 0.42 | 3.20 |
| 12 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 1.60 |
| 13 | 0.13 | 0.23 | 0.17 | 0.26 | 0.10 | 0.18 | 3.20 |
| 14 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 1.60 |
| 15 | 0.02 | 0.03 | 0.03 | 0.05 | 0.04 | 0.06 | 3.20 |
| 16 | 0.00 | 0.01 | 0.00 | 0.01 | 0.01 | 0.01 | 1.60 |
| 17 | 0.08 | 0.12 | 0.09 | 0.12 | 0.06 | 0.10 | 3.20 |
| 18 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 1.60 |
| 19 | 0.03 | 0.05 | 0.05 | 0.07 | 0.06 | 0.09 | 3.20 |
| 20 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.01 | 1.60 |
| 21 | 0.02 | 0.03 | 0.01 | 0.02 | 0.03 | 0.04 | 3.20 |
| 22 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 1.60 |
| 23 | 0.04 | 0.06 | 0.02 | 0.04 | 0.04 | 0.06 | 3.20 |
| 24 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 1.60 |
| 25 | 0.05 | 0.06 | 0.03 | 0.04 | 0.07 | 0.09 | 3.20 |
| 电压总畸变率(%) |  | 1.75 | 2.20 | 1.60 | 2.03 | 1.73 | 2.19 | 4.00 |

院士庭超充站谐波电流统计表

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 参数 |  | A相 |  | B相 |  | C相 |  | 限值 | 限值(0.66MVA) | 限值(150MVA) |
| 平均值 | 95%值 | 平均值 | 95%值 | 平均值 | 95%值 |
| 基波电流(A) |  | 12.43 | 34.93 | 13.58 | 38.53 | 13.36 | 37.31 | — | — | — |
| 2至25次谐波电流含有率(%) | 2 | 0.11 | 0.34 | 0.06 | 0.18 | 0.07 | 0.21 | 19.00 |  |  |
| 3 | 0.06 | 0.14 | 0.25 | 0.32 | 0.26 | 0.35 | 3.97 |  |  |
| 4 | 0.05 | 0.14 | 0.11 | 0.31 | 0.09 | 0.30 | 9.50 |  |  |
| 5 | 0.44 | 0.53 | 0.28 | 0.33 | 0.31 | 0.39 | 5.05 |  |  |
| 6 | 0.08 | 0.27 | 0.04 | 0.11 | 0.05 | 0.19 | 6.21 |  |  |
| 7 | 0.23 | 0.30 | 0.12 | 0.17 | 0.17 | 0.23 | 5.54 |  |  |
| 8 | 0.05 | 0.15 | 0.03 | 0.08 | 0.04 | 0.09 | 4.68 |  |  |
| 9 | 0.03 | 0.08 | 0.11 | 0.26 | 0.11 | 0.25 | 4.97 |  |  |
| 10 | 0.02 | 0.07 | 0.06 | 0.20 | 0.06 | 0.19 | 3.73 |  |  |
| 11 | 0.33 | 0.83 | 0.32 | 0.78 | 0.37 | 1.02 | 5.69 |  |  |
| 12 | 0.03 | 0.08 | 0.03 | 0.09 | 0.02 | 0.04 | 3.14 |  |  |
| 13 | 0.14 | 0.36 | 0.20 | 0.48 | 0.27 | 0.75 | 5.31 |  |  |
| 14 | 0.04 | 0.10 | 0.02 | 0.07 | 0.05 | 0.12 | 2.70 |  |  |
| 15 | 0.05 | 0.12 | 0.12 | 0.29 | 0.15 | 0.34 | 3.00 |  |  |
| 16 | 0.02 | 0.05 | 0.02 | 0.05 | 0.03 | 0.06 | 2.34 |  |  |
| 17 | 0.29 | 0.55 | 0.24 | 0.50 | 0.29 | 0.56 | 4.38 |  |  |
| 18 | 0.02 | 0.04 | 0.02 | 0.04 | 0.02 | 0.05 | 2.05 |  |  |
| 19 | 0.21 | 0.34 | 0.15 | 0.27 | 0.15 | 0.28 | 3.95 |  |  |
| 20 | 0.02 | 0.03 | 0.02 | 0.04 | 0.02 | 0.05 | 1.90 |  |  |
| 21 | 0.03 | 0.05 | 0.06 | 0.11 | 0.07 | 0.11 | 2.12 |  |  |
| 22 | 0.01 | 0.02 | 0.02 | 0.03 | 0.02 | 0.03 | 1.68 |  |  |
| 23 | 0.11 | 0.18 | 0.09 | 0.16 | 0.12 | 0.20 | 3.29 |  |  |
| 24 | 0.01 | 0.02 | 0.01 | 0.02 | 0.01 | 0.02 | 1.53 |  |  |
| 25 | 0.09 | 0.13 | 0.08 | 0.14 | 0.07 | 0.13 | 3.00 |  |  |

院士庭超充站频率偏差、三相电压不平衡度及长时间闪变统计表

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 参数 |  | 最大值 | 平均值 | 最小值 | 95%值 | 限值 |
| 频率(Hz) |  | 50.06 | 50.00 | 49.93 | 49.95 | 0.20 / -0.20 |
| 三相电压不平衡度(%) |  | 0.19 | 0.10 | 0.03 | 0.16 | 2.00 |
| 长时间闪变(Plt) | AB | 0.21 | 0.07 | 0.05 | 0.12 | 1.00 |
| BC | 0.25 | 0.06 | 0.04 | 0.14 | 1.00 |
| AC | 0.51 | 0.08 | 0.05 | 0.11 | 1.00 |

院士庭超充站电压偏差统计表

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 参数 | AB |  | BC |  | AC |  | 限值 |
| 最大值 | 最小值 | 最大值 | 最小值 | 最大值 | 最小值 |
| 上偏差(%) | 3.66 | 0.36 | 3.74 | 0.46 | 3.77 | 0.39 | 7.00 |
| 下偏差(%) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -7.00 |