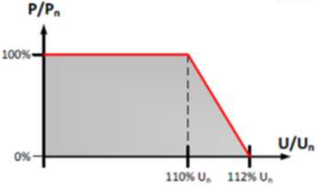


| | | | |
|---|---|------------------|------------------|
| | | - | - |
| 4.6.1 Power response to over frequency | Threshold frequency f1 | 52 Hz (disabled) | 52 Hz (disabled) |
| | Droop | 5% | 5% |
| | Power reference | P _M | P _M |
| | Intentional delay | 0 s | 0 s |
| | Deactivation threshold fstop | deactivated | deactivated |
| | Deactivation time tstop | - | - |
| | Acceptance of staged disconnection | yes | yes |
| 4.6.2 Power response to under frequency | Threshold frequency f1 | 46 Hz (disabled) | 46 Hz (disabled) |
| | Droop | 5% | 5% |
| | Power reference | P _{max} | P _{max} |
| | Intentional delay | 0 s | 0 s |
| 4.7.2.2 Capabilities | Active factor range overexcited | disabled | disabled |
| | Active factor range underexcited | disabled | disabled |
| 4.7.2.3. Control modes General | Enabled control mode | - | - |
| 4.7.2.3.2 Setpoint control modes | Q setpoint and excitation | 0 | 0 |
| | cos φ setpoint and excitation | 1 | 1 |
| 4.7.2.3.3 Voltage related control | Characteristic curve | - | - |
| | Time constant | - | - |
| | Min cos φ | - | - |
| | Lock in power | - | - |
| | Lock out power | - | - |
| 4.7.2.3.4 Power related control modes | Characteristic curve | - | - |
| 4.7.4.2.1 Voltage support during faults and voltage steps - General | Enabling | disabled | disabled |
| | Static voltage range overvoltage | - | 110% Un |
| | Static voltage range undervoltage | - | 85% Un |
| | Intensitivity range ΔU50per | - | 5% |
| | Gradient k1 | - | 2 |
| | Gradient k2 | - | 2 |
| 4.7.4.2.1.2 Optional modes | Active power priority | | disabled |
| | Reactive current limitation (% rated current) | | disabled |

| | | | |
|--|---|----------|----------|
| | Zero current threshold | | disabled |
| 4.7.4.2.2 Zero current mode | Enabling | disabled | disabled |
| | Static voltage range overvoltage | 120% Un | - |
| | Static voltage range undervoltage | 50% Un | 50% Un |
| 4.9.2 (4.9.3) Requirements on voltage and frequency protection | Threshold for protection as dedicated device [in A or kW, kVA] | | |
| | Undervoltage threshold stage 1 | 0,8 Un | 0,8 Un |
| | Undervoltage operate time stage 1 | 1,5 s | 1,5 s |
| | Undervoltage threshold stage 2 | 0,25 Un | - |
| | Undervoltage operate time stage 2 | 0,5 s | - |
| | Overvoltage threshold stage 1 | 1,11 Un | 1,11 Un |
| | Overvoltage operate time stage 1 | 60 s | 60 s |
| | Overvoltage threshold stage 2 | 1,15 Un | 1,15 Un |
| | Overvoltage operate time stage 2 | 0,1 s | 0,1 s |
| | Overvoltage threshold 10 min mean protection | 1,11 Un | 1,11 Un |
| | Underfrequency threshold stage 1 | 47,5 Hz | 47,5 Hz |
| | Underfrequency operate time stage 1 | 0,1 s | 0,1 s |
| | Underfrequency threshold stage 2 | - | - |
| | Underfrequency operate time stage 2 | - | - |
| | Overfrequency threshold stage 1 | 50,3 Hz | 50,3 Hz |
| | Overfrequency operate time stage 1 | 2 s | 2 s |
| | Overfrequency threshold stage 2 | 51,5 Hz | 51,5 Hz |
| | Overfrequency operate time stage 2 | 0,1 s | 0,1 s |
| 4.10.2 Automatic reconnection after tripping | Lower frequency | 47,6 Hz | 47,6 Hz |
| | Upper frequency | 50,2Hz | 50,2Hz |
| | Lower voltage | 85% Un | 85% Un |
| | Upper voltage | 109% Un | 109% Un |
| | Observation time | 600 s | 600 s |
| | Active power increase gradient | 10%/min | 10%/min |
| 4.10.3 Starting to generate electrical power | Lower frequency | 47,6 Hz | 47,6 Hz |
| | Upper frequency | 50,2Hz | 50,2Hz |

| | | | |
|---|--|--|--------------------|
| | Lower voltage | 85% U_n | 85% U_n |
| | Upper voltage | 109% U_n | 109% U_n |
| | Observation time | 60 s | 60 s |
| | Active power increase gradient | disabled | disabled |
| 4.11.1 Active power reduction by setpoint | | no | yes |
| 4.11.2 Ceasing active power (Logic interface) | | yes | yes |
| 4.12 Remote information exchange | Remote information exchange required | yes | no |
| P(U) |  <p> $100\%; 100\%$ $100\%; 110\%$ $0\%; 112\%$ </p> | $100\%; 100\%$ $100\%; 110\%$ $0\%; 112\%$ | 0%, 30%, 60%; 100% |