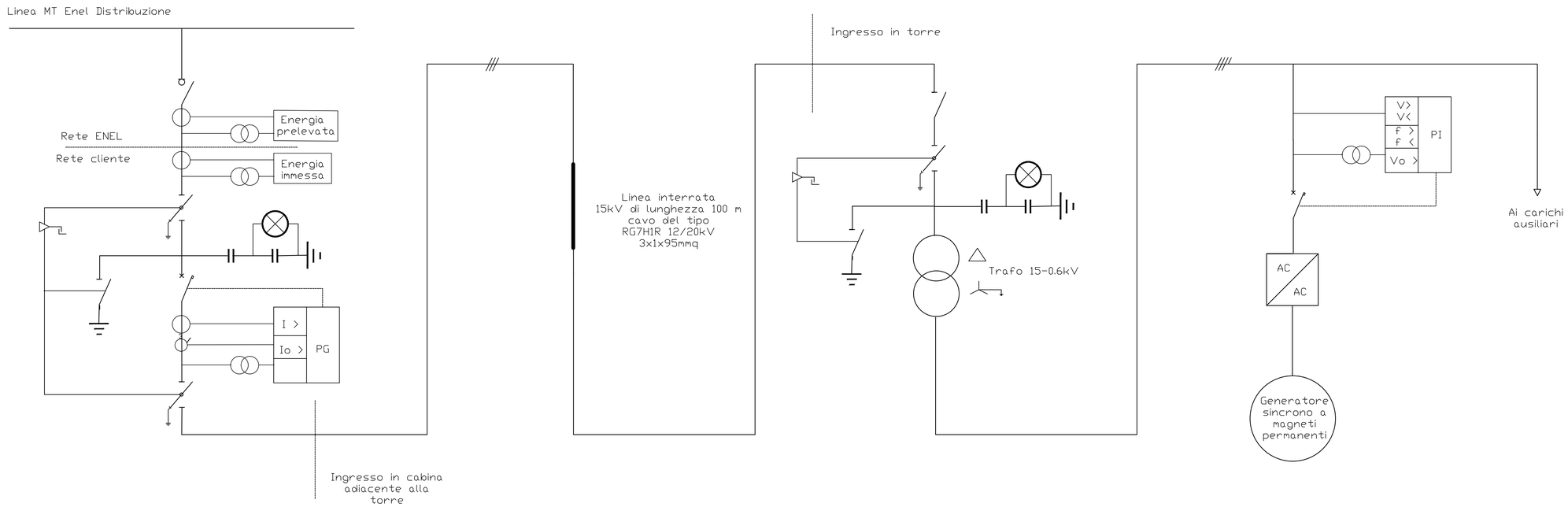
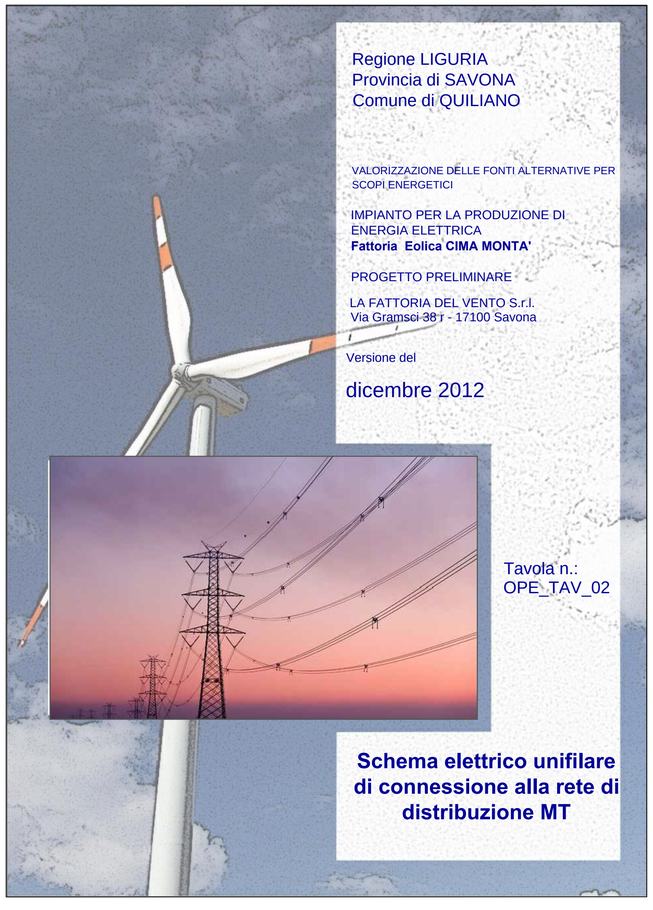




Generatore sincrono a magneti permanenti

Rated output Power 4.500kW
Power Factor 0.9 Leading
Nominal Voltage 660 V
Frequency 89.6Hz
Temperature Conditions From -20oC to +50oC
Stator Connection Star
Number of Poles 24
Direction of Rotation Clockwise seen from NDE
Cooling Type IC71W
Degree of Protection IP54 according to IEC 60034
Corrosion Protection C3H according to ISO12944
Insulation Class F according to IEC 60034
Speed Range From 50 rpm to 533 rpm
Nominal Speed 448 rpm
Overspeed 627 rpm
Weight 18.5 Tn
Inertia 1900 kgm2

Convertitore AC/AC

n°6 Generator inverter

Nominal voltage 660 Vrms
Nominal current 770 Arms
Maximum current 906 Arms (10 sec)
Nominal DC-link voltage 1050 Vdc
Maximum DC-link voltage
1150 Vdc (continuous)
1200 Vdc (10 sec. switching)
Nominal frequency 89,6 Hz
Switching frequency 5 kHz
Cos phi -0.9 (Capacitive)

n°6 Grid inverter

Nominal voltage 690 Vrms
Nominal current 644 Arms
Maximum current
795 Arms (continuous)
895 Arms (10 sec)
Nominal DC-link voltage 1050 Vdc
Maximum DC-link voltage
1150 Vdc (continuous)
1200 Vdc (10 sec. switching)
Nominal frequency 50 / 60 Hz
Switching frequency 2,5 kHz
Cos phi 0.9 inductive to 0.9 cap

Trasformatore 15/0.66kV

Trasformer type three-Phase
Dry-type Encapsulated Transformer
Environmental class E2
Climatic class C2
Fire behavior F1
Insulation/thermal class F or H
Low voltage winding voltage 3x690
Low voltage winding connection star
Neutral connection directly to earth
Medium voltage 3x15kV
Medium voltage winding connection delta
Connection group Dyn11
Grid frequency 50 Hz