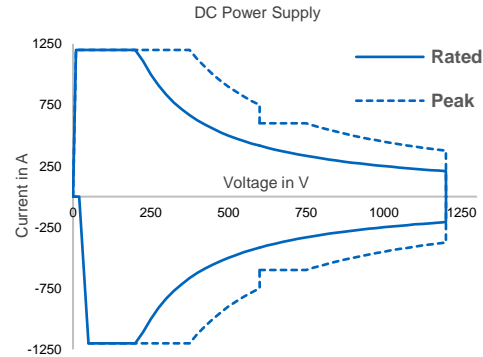
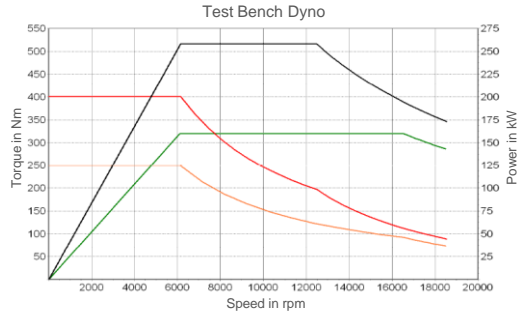


Electric Powertrain Testing

250 kW Electric Motor and Inverter Test Bench



Test Bench Dynamometer

Rated Power	160 kW
Peak Power	258 kW
Rated Torque	250 Nm
Peak Torque	400 Nm
Rotational Speed	18,500 rpm

DC Power Supply (for DUT)

Rated Power	500 kW
DC Voltage	24 ... 1200 V
DC Current (2 channels in parallel configuration)	± 1000 A

Data Acquisition

Torque Measurement	HBM T40 500 Nm
Electrical Measurement	Yokogawa WT 5000
Control/DAQ System	Kratzer PATools

Cooling Fluid Conditioning (for DUT)

Coolant Type	Water or Oil
Cooling Power	50 kW
T_{\min} (depending on coolant type)	-20 °C
T_{\max}	90 °C