

Equivalent generator (inverter) data (SLD ID: [Click or tap here to enter text.](#))

Note: A separate equivalent inverter model is required for different inverter make/model.

Resource Type: Choose an item. If other enter type here: [Click or tap here to enter text.](#)

Number of equivalent inverters: [Click or tap here to enter text.](#)

Rating of each equivalent individual inverter: [Click or tap here to enter text.](#) MVA

Select control mode: Choose an item.

Inverter Make and Model: [Click or tap here to enter text.](#)

Gross nameplate capacity (@40 C): [Click or tap here to enter text.](#) MW

Derated nameplate capacity (@45 C): [Click or tap here to enter text.](#) MW

Gross battery charging capacity (@40 C): [Click or tap here to enter text.](#) MW

Reactive capability at rated output (@40 C): Enter data. MVAR lag [Enter data.](#) MVAR lead

Reactive capability at derated output (@45 C): Enter data. MVAR lag [Enter data.](#) MVAR lead

☐ Check here to confirm reactive capability (P/Q) curve was provided

Enter file name here: [Click or tap here to enter text.](#)

☐ Check here to confirm the reactive capability is modeled in the steady state data (qtab)

☐ Check here to confirm that the reactive capability is not being limited to power factor requirements from FERC Order 904.

☐ Check here to confirm manufacturer specifications for the proposed inverter(s) was provided

Enter file name here: [Click or tap here to enter text.](#)

☐ Check here to confirm technical specifications include inverter Reactive Power Capability Curve, compliance with IEEE 2800 standard.

Will the inverter provide reactive power when real power is 0 MW? Choose an item.

Reactive Power Control: Choose an item.

Provided any additional information regarding plant control needed to study the facility

[Click or tap here to enter text.](#)

Converter Interface Resource Data

Maximum current (first peak of the fault current): [Click or tap here to enter text.](#) Amps

Reactive Power Injection Characteristics

Positive Slope: Click or tap here to enter text.

Negative Slope: Click or tap here to enter text.

Protection Limits on Converter Terminal Voltages

Maximum Voltage Limit: Click or tap here to enter text. pu

Minimum Voltage Limit: Click or tap here to enter text. pu

For Type-3 Wind Plants

Machine nameplate: Click or tap here to enter text. MVA

Number of units: Click or tap here to enter text.

Converter Current Limits

Rotor side limit: Click or tap here to enter text. pu

Grid side limit: Click or tap here to enter text. pu

☐ Check to simulate the crowbarred condition

Plant shutdown Threshold:

When a phase voltage exceeds: Click or tap here to enter text. pu

When a phase voltage drops below: Click or tap here to enter text. pu

Machine parameters:

Rotor Resistance: Click or tap here to enter text. pu

Stator Resistance: Click or tap here to enter text. pu

Rotor Leakage Inductance: Click or tap here to enter text. pu

Stator Leakage Inductance: Click or tap here to enter text. pu

Mutual Inductance: Click or tap here to enter text. pu

Slip: Click or tap here to enter text. kW

Harmonic Filter Reactance: Click or tap here to enter text. pu