

Energy Storage Supplement Wisconsin Standard Distributed Generation Application Form

APPLICANT NAME

LAST NAME FIRST NAME MIDDLE NAME

1. ENERGY STORAGE SYSTEM INFORMATION

ENERGY STORAGE SYSTEM MANUFACTURER

ENERGY STORAGE SYSTEM MODEL NAME AND/OR NUMBER NUMBER OF ENERGY STORAGE UNITS

NAMEPLATE RATING (PER UNIT) **kW (DC)** ENERGY CAPACITY (PER UNIT) **kWh**

Energy Storage Type: Lithium-ion battery Flow battery (specify) _____
 Lead-acid battery Other _____

CONTROL SYSTEM MANUFACTURER CONTROLLER MODEL

TOTAL ENERGY STORAGE SYSTEM RATINGS:

TOTAL NAMEPLATE RATING **kW (DC)** **kVA** TOTAL ENERGY CAPACITY **kWh** SYSTEM VOLTAGE **V** SYSTEM FREQUENCY **Hz**

MAXIMUM CHARGING POWER **kW (DC)** **kVA** MAXIMUM DISCHARGING POWER **kW (DC)** **kVA**

ESS MAXIMUM CONTINUOUS OUTPUT **kW (AC)** ESS MAXIMUM USABLE ENERGY **kWh (AC)** ESS PEAK OUTPUT **kW (AC)**

MAXIMUM DEPTH OF DISCHARGE **%** MAXIMUM DURATION AT MAXIMUM POWER (C RATE) **hours**

Certifications (e.g. UL) _____

Is a generation source included in the distributed generation facility at this point of interconnection? Yes No

If yes, what type? _____

2. OPERATING MODES

Operating Modes Available _____

Operating Modes Enabled _____

Firmware Version _____

Energy Storage Supplement Wisconsin Standard Distributed Generation Application Form

Will the system export energy to the grid? Yes No

Will the system charge from the grid? Yes No

If no, what generation source charges the energy storage system? _____

Point of energy storage system interconnection? DC coupled AC coupled

Location of transfer switch? Integrated with inverter External

3. INTERCONNECTION DISCONNECT SWITCH SHORT CIRCUIT CURRENT SPECIFICATIONS

3a) Total short circuit current contribution of the generating system (at point of interconnection)
_____ Amps (single phase) _____ Amps (three-phase symmetrical) _____ Amps (asymmetrical)

3b) Load break capability rating of disconnection device (Must be greater than or equal to #3a above)
_____ Amps (single phase) _____ Amps (three-phase symmetrical) _____ Amps (asymmetrical)

4. WILL YOU INSTALL A DEDICATED TRANSFORMER?

Yes No If yes, specify winding configuration: _____ [HV winding] _____ [LV winding]

If Yes, provide the following and attach manufacturer specification data sheets

Nameplate rating _____ kVA Primary Volts _____ V
Secondary Volts _____ V Impedance _____ %

If three-phase, specify connection configuration: 3 wire delta 2 wire wye 4 wire grounded wye

5. IF PROTECTIVE EQUIPMENT IS SEPARATE FROM THE INVERTER, PROVIDE A PROTECTION AND CONTROL DIAGRAM ALONG WITH DATA SHEETS ON ALL RELATED EQUIPMENT (THIS MAY BE DETERMINED BY THE ELECTRIC SERVICE PROVIDER). IF EQUIPMENT IS KNOWN, ATTACH MANUFACTURER SPECIFICATION DATA SHEETS.

6. ANY ADDITIONAL COMMENTS?
