

Department of Public Service
Type Tested and Approved Interconnection Equipment

Note: All equipment included on this list is approved to operate only at its designated phase and voltage level. Use on any other system configuration may require supplemental equipment to ensure compliance with the SIR.

Manufacturer	Ascension Technology
Model No.	SS01-MP
Date of Approval	8/18/00
Firmware Version	2.09
Testing Agency	Underwriter's Laboratories
Test Report	E184515-00NK25412
Date of Report	7/13/00
Device Description	300W, 120/240 Single Phase Inverter

Manufacturer	Trace Engineering
Model No.	ST1000, ST1500, ST2000, ST2500
Date of Approval	8/18/00
Firmware Version	2.9
Testing Agency	Underwriter's Laboratories
Test Report	E187916-00NK02576
Date of Report	6/27/00
Device Description	1000W, 1500W, 2000W, 2500W Single Phase 120/240V Inverters

Manufacturer	Trace Engineering
Model No.	ST1000, ST1500, ST2000, ST2500
Date of Approval	12/7/00
Firmware Version	3.0, 5.0
Testing Agency	Underwriter's Laboratories
Test Report	E187916-00NK37316
Date of Report	10/24/00
Device Description	1000W, 1500W, 2000W, 2500W Single Phase 120/240V Inverters

Manufacturer	Advanced Energy Inc.
Model No.	GC1000
Date of Approval	4/26/00
Firmware Version	2.47
Testing Agency	Underwriter's Laboratories
Test Report	E182866-00NK12026
Date of Report	4/24/00
Device Description	1000W, 120/240 Single Phase Inverter

Manufacturer	Capstone Turbine
Model No.	330 MicroTurbine
Date of Approval	6/26/00
Firmware Version	4.52 through 4.99
Testing Agency	Underwriter's Laboratories, Nemko EESI, Inc.
Test Report	310102-AU2687B, 20200402
Date of Report	1/31/02, 5/4/00
Device Description	30kW, 480V, Three Phase Microturbine

Manufacturer	Schweitzer Engineering Labs
Model No.	SEL-351A00H24552XX
Date of Approval	11/11/00
Firmware Version	SEL-351A-R101-V0-Z001001-D19990908
Testing Agency	Underwriter's Laboratories
Test Report	E202915-00NK41853
Date of Report	10/25/00
Device Description	Utility Interactive Relay, Single Phase and Three Phase

Manufacturer	Plug Power
Model No.	SU1PCM-059622
Date of Approval	11/14//01
Firmware Version	3.21
Testing Agency	Underwriter's Laboratories
Test Report	E206704-01NK16753
Date of Report	10/30/01
Device Description	6500 W, 240V Single Phase Fuel Cell Inverter

Manufacturer	Beckwith Electric
Model No.	M-3410
Date of Approval	10/22/03
Firmware Version	D0091V01.05.07 to D0091V01.99.99
Testing Agency	Underwriter's Laboratories
Test Report	E128716-03CA33157
Date of Report	9/24/03
Device Description	Intertie/Generator Protection Relay

Manufacturer	Advanced Energy Inc.
Model No.	MM-3000
Date of Approval	1/28/02
Firmware Version	3.21
Testing Agency	Underwriter's Laboratories
Test Report	E182866-01NK10139
Date of Report	9/06/01
Device Description	3000W, 120V Single Phase Inverter

Manufacturer	Advanced Energy Inc.
Model No.	MM-5000
Date of Approval	1/28/02
Firmware Version	3.21
Testing Agency	Underwriter's Laboratories
Test Report	E182866-01NK10139
Date of Report	9/06/01
Device Description	5000W, 120V Single Phase Inverter

Manufacturer	Capstone Turbine
Model No.	C60 Microturbine
Date of Approval	2/28/02
Firmware Version	3.10 through 3.99
Testing Agency	Underwriter's Laboratories, Nemko EESI, Inc.
Test Report	180102-AU2867F, 21-296
Date of Report	1/18/02, 12/26/01
Device Description	60kW, 480V, Three Phase Microturbine

Manufacturer	Xantrex Technology
Model No.	SW4024 Series 2, SW4048 Series 2, SW5548 Series 2 (All with Grid Tie Interface accessory)
Date of Approval	8/1/02
Firmware Version	4.20
Testing Agency	Underwriter's Laboratories, CKC Laboratories
Test Report	E187916-02NK33060, GE02-027
Date of Report	7/26/02, 6/04/02
Device Description	4000W, 5500W, 120V, Single Phase Inverters

Manufacturer	Advanced Energy Inc.
Model No.	GC-1000-SA
Date of Approval	9/18/02
Firmware Version	300.120, 300.140
Testing Agency	Underwriter's Laboratories
Test Report	E182866-02NK08125
Date of Report	9/10/02
Device Description	1000W, 120V Single Phase Inverter

Manufacturer	Xantrex Technologies
Model No.	STXR1500, STXR2000, STXR2500
Date of Approval	9/18/02
Firmware Version	3.2, 5.0
Testing Agency	Underwriter's Laboratories, CKC Laboratories
Test Report	E187916-02NK33060, GE02-035
Date of Report	7/26/02, 9/9/02
Device Description	1500W, 2000W, 2500 W 240V Single Phase Inverters

Manufacturer	Tecogen, Inc.
Model No.	CM-60, CM-75
Date of Approval	10/7/02
Firmware Version	US002
Testing Agency	ITS-ETL Semko
Test Report	TCF-1
Date of Report	8/5/02
Device Description	60 kW, 75 kW 460V or 208/230V Cogeneration Systems

Manufacturer	SMA America
Model No.	SWR-1800U
Date of Approval	9/8/04
Firmware Versions	8.30, 8.32, 8.64, 8.65, 8.66, 8.90, 8.92, 8.94
Testing Agency	Underwriter's Laboratories
Date of Report	7/19/04
Device Description	1800 W, 120 V Single Phase Inverter

Manufacturer	Xantrex Technology
Model No.	BWT-10240
Date of Approval	12/3/02
Firmware Version	3.2.5.1
Testing Agency	CSA International
Test Report	216481-1338805
Date of Report	8/19/02
Device Description	10 kW, 240 V Single Phase Inverter

Manufacturer	SMA America
Model No.	SWR-2500U
Date of Approval	9/8/04
Firmware Versions	8.30, 8.32, 8.64, 8.65, 8.66, 8.90, 8.92, 8.94
Testing Agency	Underwriter's Laboratories
Date of Report	7/19/04
Device Description	2500 W, 208/240 V Single Phase Inverter

Manufacturer	Plug Power
Model No.	MP-5000
Date of Approval	4/1/03
Firmware Version	MP5C3.3
Testing Agency	Underwriter's Laboratories
Test Report	E206704-03NK18292
Date of Report	1/30/03
Device Description	5000 W, 120V Single Phase Inverter

Manufacturer	Sharp Corporation
Model No.	JH-3500U
Date of Approval	8/27/03
Firmware Version	SMJ04
Testing Agency	Underwriter's Laboratories
Device Description	3500 W, 240V Single Phase Inverter

Manufacturer	Beckwith Electric
Model No.	M-3410A
Date of Approval	10/22/03
Firmware Version	D0110V01.01.08 to D0110V01.99.99
Testing Agency	Underwriter's Laboratories
Test Report	E128716-03CA33157
Date of Report	9/24/03
Device Description	Intertie/Generator Protection Relay

Manufacturer	Beckwith Electric
Model No.	M-3520
Date of Approval	10/22/03
Firmware Version	D0060V03.00.06 to D0060V03.99.99
Testing Agency	Underwriter's Laboratories
Test Report	E128716-03CA33157
Date of Report	9/24/03
Device Description	Intertie/Generator Protection Relay

Manufacturer	Beacon Power Corp.
Model No.	M5
Date of Approval	12/17/03
Firmware Version	M5V4-109
Testing Agency	Underwriter's Laboratories
Device Description	5 kW, 120V Single Phase Power Conversion System

Manufacturer	Fronius USA
Model No.	IG 2000, IG 3000
Date of Approval	3/3/04
Firmware Version	V2.00.01
Testing Agency	Underwriter's Laboratories
Device Description	2 kW, 3 kW 240 V Single Phase Inverters

Manufacturer	Fronius USA
Model No.	IG 2500-LV
Date of Approval	3/3/04
Firmware Version	V2.00.01
Testing Agency	Underwriter's Laboratories
Device Description	2.5 kW, 208 V Single Phase Inverter

Manufacturer	PV Powered, LLC
Model No.	PVP 2800-240
Date of Approval	5/5/04
Firmware Version	1400
Testing Agency	Underwriter's Laboratories
Device Description	2.8 kW, 240 V Single Phase Inverter

Manufacturer	Ballard Power Systems
Model No.	EPC-PV-208-30KW, EPC-PV-480-30KW
Date of Approval	8/19/04
Firmware Version	1447, 4705
Testing Agency	Underwriter's Laboratories
Device Description	30 kW, 208V and 480V Three Phase Inverters

Manufacturer	Magnetek
Model No.	PVI-3000-I-OUTD-US
Date of Approval	11/5/04
Firmware Version	3E14.C.1.0.6, 3D52.A.0.0.1, 3D52.B.0.5.4
Testing Agency	Underwriter's Laboratories
Device Description	3 kW, 240 V Single Phase Inverter

Manufacturer	Capstone Turbine Corp.
Model No.	60, C60, 60 SA, C60 SA, C60 ICHP
Date of Approval	11/5/04
Firmware Version	4.24
Testing Agency	Underwriter's Laboratories
Device Description	60kW, 480V, Three Phase Microturbine