ELECTRIC EQUIPMENT REVIEWED PURSUANT TO ORDER U-15787

Prior to purchase of any equipment, a project developer should consult with Detroit Edison regarding the potential feasibility for safe and reliable interconnection of the specific proposed project with Detroit Edison's system.

Detroit Edison makes no representation that any particular piece of equipment listed below is free from design or manufacturing defects (or defects of any kind). Further, Detroit Edison neither endorses nor makes any warranty of any kind with regard to the equipment identified below.

APPROVED INVERTERS (Updated 12/29/2009)

Generation Sources	Manufacture	Model	Model #	Rated Output (kW)	Datasheet
Wind Systems	Cascade Engineering, Inc.	Swift Wind	GCI 1500	1.00	Swift Wind GCI 1500
	Mariah Power	Windspire		1.20	Windspire
	Southwest Windpower	Skystream	3.7	2.40	Skystream
PV Systems	Enphase Micro-Inverters	M175 M190 M210	24-XX-S01/2, 24V Modules 24-XX-S01/2, 32V Modules 72-208-S11/2 240-S11/2 84-XX-S12	.175 .200 .190 .190 .240	M175-M200 M190 Model M210 Model
	Fronius USA	IG	2000 3000 2500-LV 4000 5100 4500-LV	2.00 2.70 2.35 4.00 5.10 4.50	2000-3000-2500 4000-5100-4500
		IG Plus	3.0-1 3.8-1 5.0-1 6.0-1 7.5-1 10.0-1 11.4-1 11.4-3 12.0-3	3.00 3.80 5.00 6.00 7.50 10.0 11.4 11.4 12.0	IG Plus
	Kaco	Blue Planet	1501xi 2901xi 3601xi	1.50 3.10 4.00	1501xi 2901xi 3601xi
	Power-One	PVI	5000 6000	5.00 6.00	5000-6000

APPROVED INVERTERS

Generation Sources	Manufacture	Model	Model #	Rated Output (kW)	Datasheet
PV Systems	PV Powered	PVP	1100 2000 2500 2800 3000 3500 4600 4800 5200	1.10 2.20 2.50 2.80 3.00 3.50 4.60 4.80 5.20	1100-5200
	SMA Solar Technology	Sunny Boy	3000US 4000US@208V 4000US@240V 5000US 6000US 7000US	3.00 3.50 4.00 5.00 6.00 7.00	3000-4000 5000-6000-7000
	Solectria	PVI	1800 2500 3000@208V 3000@240V 4000@208V 4000@240V 5000@208V 5000@240V 5300@208V 5300@240V 13KW 15KW 60KW 82KW 95KW	1.8 2.5 2.70 2.90 3.40 3.90 4.30 4.90 4.60 5.30 13.2 15.0 60.0 83.0 95.0	1800-2500 3000-4000-5000-5100 13-15 60-82-95
	SunPower	SPR	3000m 4000m@208V 4000m@240V 5000m 6000m 7000m	3.00 3.50 4.00 5.00 6.00 7.00	3000-4000m 5-6-7000m

APPROVED INVERTERS

Generation Sources	Manufacture	Model	Model #	Rated Output (kW)	Datasheet
PV Systems	Xantrex	GT	2.8@208V 2.8@240V 3.3N@208V 3.3N@240V 3.8@208V 3.8@240V 4.0N@208V 4.0N@240V 5.0@208V 5.0@240V	2.70 2.80 3.10 3.30 3.50 3.80 3.80 4.00 4.50 5.00	2.8-5.0
		XW	6048-120/240V 4548-120/240V 4024-120/240	6.00 4.50 4.00	XW models

Detroit Edison Approved Relays

Manufacturer	Model	Undervoltage (27)	Reverse Power (32)	Neutral Overcurrent (51N)	Time Overcurrent with Voltage Restraint (51V)	Overvoltage (59)	Neutral Overvoltage (59N)	Timing (62)	Directional Overcurrent (67)	Over/Under Frequency (81O/U)	Transfer Trip
Utility Grade											
Basler	BE1-27	X									
	BE1-27/59	X				X					
	BE1-32R* (1Φ or 3 Φ)		X								
	BE1-32 O/U		X								
	BE1-59					X					
	BE1-81 O/U									X	
	BE1-IPS100	X	X	X	X	X	X	X	X	X	
Beckwith	M-3520		X								
General Electric	CV-2	X									
	CV-4					X					
	IAC53			X							
	IAV51					X					
	IAV54	X									
	IJCV				X						
	PJV					X	X				
	SAM							X			
	MDS**										X
Schweitzer Engineering Laboratories	SEL-351A	X		X		X	X	X	X	X	
	SEL-351-7	X	X	X		X	X	X	X	X	
	SEL-751A	X	X	X		X	X	X		X	
	2505/2506										X
Westinghouse	CO-8			X							
	CVD	X									
	SV-1					X	X				
	TD-5							X			
RFL Industries	6710										X
Industrial Grade											
Agastat	7000 Series							X			
Basler	BE3-GPR	X				X				X	
	BE4-32* (1 Φ)		X								

*Requires separate time delay relay.

**Requires a radio access study for the site, and an SEL 2505/2506 for use.

Note: The exact model or style of the above listed relays will be dependent upon the particular site-specific application, or DECo specification.