

**Inverter Performance Parameter Database (U.S. Applications, 60 Hz)**  
**Sandia National Laboratories**  
**2/25/07**

Manufacturer	ID	Source	ac Volts (V)	Vintage	Paco (Wac)	Pdco (Wdc)	Vdco (V)	Pso (Wdc)	Co (1/W)	C 1 (1/V)	C2 (1/V)	C3 (1/V)	Pnt (Wac)	Vdcmax	Idcmax (A)	MPPT		Tamb		Weight (lb)
																Low (V)	High (V)	Low (C)	Max (C)	
Fronius	IG2000	Spec	240	2006	2000	2100	300	7	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.15	500	13.6	150	450	-20	50	26
Fronius	IG2500-LV	Spec	208	2006	2350	2489	300	7	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.15	500	16.9	150	450	-20	50	26
Fronius	IG3000	CEC	240	2006	2700	2879	277	27.9	-1.009E-05	-1.367E-05	-3.587E-05	-3.421E-03	0.91	500	18	150	450	-20	50	26
Fronius	IG3000	Spec	240	2006	2700	2836	300	7	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.15	500	18	150	450	-20	50	26
Fronius	IG4000	Spec	240	2006	4000	4201	300	15	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.15	500	26.1	150	450	-20	50	42
Fronius	IG4500-LV	Spec	208	2006	4500	4767	300	15	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.15	500	29.3	150	450	-20	50	42
Fronius	IG5100	Spec	240	2006	5100	5357	300	15	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.15	500	33.2	150	450	-20	50	42
PV Powered	PVP1800	Spec	120	2005	1800	1945	210	20	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	360	15	120	360	-20	40	
PV Powered	PVP2800	Spec	240	2005	2800	2950	295	30	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	450	15	200	390	-20	40	74
PV Powered	PVP2800	Spec	208	2005	2800	2920	285	30	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	450	15	180	390	-20	40	74
PV Powered	PVP2000	Spec	120	2006	2000	2150	250	20	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	500	15	135	360	-20	40	76
PV Powered	PVP2900	Spec	208	2006	2900	3085	350	30	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	500	15	205	500	-20	40	89
PV Powered	PVP3200	CEC	240	2006	3200	3348	274	53.8	-1.039E-05	8.495E-05	3.373E-03	-2.205E-04	3	500	15	230	450	-20	40	89
PV Powered	PVP3200	Spec	240	2006	3200	3385	365	30	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	500	15	230	450	-20	40	89
PV Powered	PVP2500	Spec	240	2006	2500	2645	295	30	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	500	20	140	450	-20	40	70
PV Powered	PVP3500	Spec	240	2006	3500	3665	325	30	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	500	18	200	450	-20	40	85
SMA	1800U	Spec	120	2005	1800	1915	270	15	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	400	12.6	139	400	-25	60	
SMA	2500U	SNL	240	2005	2400	2625	380	19.6	-1.471E-05	0.000E+00	0.000E+00	0.000E+00	0.25	600	12	250	550	-25	60	65
SMA	2500U	CEC	240	2006	2500	2694	302	20.7	-1.545E-05	6.525E-05	2.836E-03	-3.058E-04	0.32	600	12	250	550	-25	60	65
SMA	2500U	Spec	240	2005	2500	2660	375	7	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.25	600	12	250	550	-25	60	65
SMA	2500U	Spec	208	2005	2100	2234	375	7	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.25	600	12	225	550	-25	60	65
SMA	3800U	Spec	240	2006	3800	4021	300	7	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.1	500	20	200	400	-25	45	85
SMA	3800U	Spec	208	2006	3500	3704	290	7	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.1	500	20	180	400	-25	45	85
Solectria	PVI1800	Spec	240	2005	1800	1935	235	20	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	400	11	125	350	-20	60	34
Solectria	PVI1800	Spec	208	2005	1800	1935	235	20	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	400	11	125	350	-20	60	34
Solectria	PVI2500	SNL	240	2005	2500	2701	260	30.0	-1.143E-05	0.000E+00	0.000E+00	0.000E+00	0.32	400	15	125	350	-20	60	36
Solectria	PVI2500	CEC	240	2005	2500	2695	289	27.2	-1.417E-05	-1.214E-04	-8.706E-04	-2.682E-03	0.32	400	15	125	350	-20	60	36
Solectria	PVI2500	Spec	240	2005	2500	2688	235	30	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.32	400	15	125	350	-20	60	36
Solectria	PVI2500	Spec	208	2005	2500	2688	235	30	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.32	400	15	125	350	-20	60	36
SunPower	SPR2000	Spec	120	2006	2000	2116	225	20	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	450	15	135	320	-20	40	76
SunPower	SPR2900	Spec	208	2006	2900	3021	320	30	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	500	15	205	430	-20	40	89
SunPower	SPR3200	Spec	240	2006	3200	3333	330	30	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	500	15	230	430	-20	40	89
Xantrex	GT2.5	Spec	240	2006	2500	2660	370	20	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	600	15	195	550	-25	65	49
Xantrex	GT3.0	Spec	240	2006	3000	3175	370	20	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	600	20	195	550	-25	65	49
Xantrex	GT3.3	Spec	240	2006	3300	3492	370	30	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	600	20	195	550	-25	65	49
Xantrex	GT3.3	Spec	208	2006	3300	3510	370	30	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	600	25	195	550	-25	65	49
Xantrex	GT3.8	CEC	240	2006	3800	4022	266	24.1	-8.425E-06	8.590E-06	7.760E-04	-5.278E-04	1	600	20	195	550	-25	65	49
Xantrex	GT3.8	Spec	240	2006	3800	4000	370	30	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	600	20	195	550	-25	65	49
Xantrex	PV10	Spec	208	2006	10000	10989	465	100	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5	600	31.9	330	600	-20	50	115
Xantrex	PV15	Spec	208	2006	15000	16393	465	150	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5	600	47.8	330	600	-20	50	160
Xantrex	PV20	Spec	208	2006	20000	21739	465	200	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5	600	63.8	330	600	-20	50	160
Xantrex	PV30	Spec	208	2006	30000	32609	465	300	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5	600	100	330	600	-20	50	260
Xantrex	PV45	Spec	208	2006	45000	48780	465	450	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5	600	150	330	600	-20	50	260
Xantrex	PV100S	Spec	208	2006	100000	105820	450	1000	0.000E+00	0.000E+00	0.000E+00	0.000E+00	100	600	357	300	600	-20	50	1000
Xantrex	PV100S	Spec	480	2006	100000	105263	450	1000	0.000E+00	0.000E+00	0.000E+00	0.000E+00	96	600	357	300	600	-20	50	1000
Xantrex	PV225S	Spec	480	2006	225000	238095	450	2000	0.000E+00	0.000E+00	0.000E+00	0.000E+00	107	600	781	300	600	-20	50	2300
Xantrex	PV225S	CEC	480	2006	225000	237500	345	2336	-1.074E-04	7.175E-05	1.387E-03	1.513E-03	107	600	781	300	600	-20	50	2300