Manufacturer: Schneider Electric Solar Inverters USA

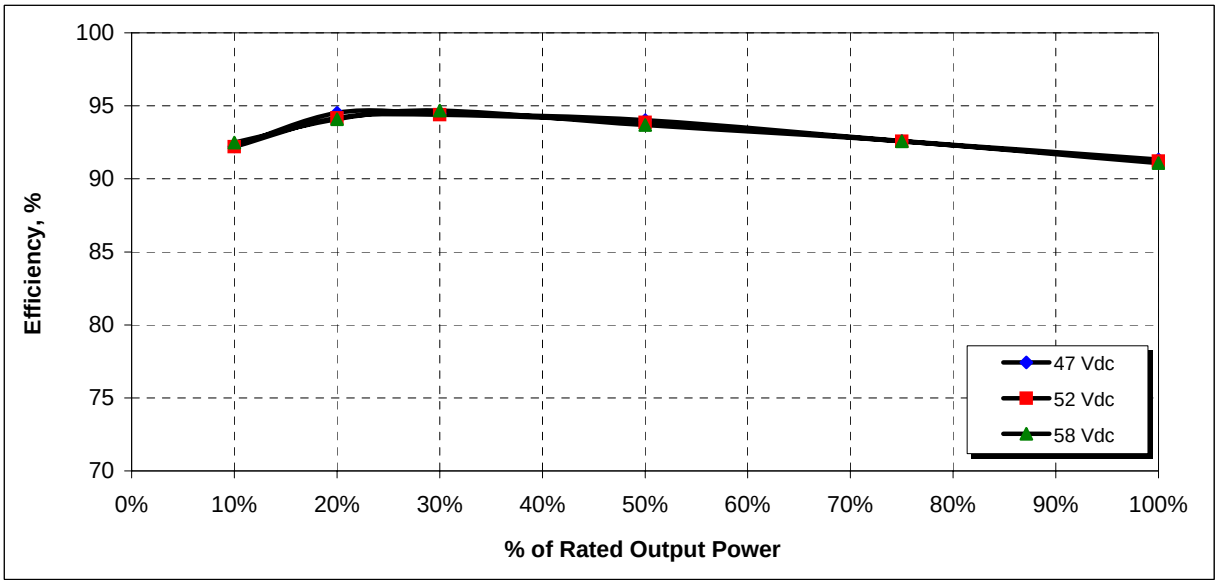
Model #: XW 5548-NA (120V field-configured)

Rated Maximum Continuous Output Power @25°C: 4453.00 W Night Tare Loss: 8.00 W

Vmin: 47 Vdc Vnom: 52 Vdc Vmax: 58 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		445.30	890.60	1335.90	2226.50	3339.75	4453.00	Wtd
Vmin	47	92.2	94.5	94.5	94.0	92.6	91.3	93.1
Vnom	52	92.2	94.2	94.4	93.9	92.6	91.2	93.1
Vmax	58	92.5	94.1	94.7	93.7	92.6	91.1	93.1

CEC Efficiency = 93.0%



Inverter Efficiency Data

Minimum of 5 samples required

Specified		Sample #1			Sample #2			Sample #3			Sample #4			Sample #5		
Input Voltage	Output Power	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(Vdc)	(% of rated)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
Vmin	10%	457	46.13	92.14042	459	46.12	92.17439	472	46.12	92.30201	451	46.12	92.13193	474	46.12	92.31053
	20%	914	46.13	94.50009	932	46.13	94.52689	918	46.13	94.52689	930	46.13	94.53583	919	46.13	94.53583
	30%	1353	46.12	94.39305	1370	46.11	94.46439	1378	46.11	94.46439	1366	46.11	94.45546	1374	46.11	94.49117
	50%	2310	46.12	93.9938	2325	46.12	93.98496	2315	46.12	93.98496	2310	46.12	94.00263	2302	46.13	94.00263
	75%	3644	46.5	92.31905	3401	46.53	92.57545	3389	46.11	92.59259	3393	46.11	92.59259	3405	46.11	92.58402
	100%	4556	46.21	91.31586	4558	46.16	91.35757	4578	46.16	91.31586	4579	46.16	91.3242	4582	46.14	91.30752
Vnom	10%	466	52.05	92.19139	453	52.05	92.0556	457	52.05	92.10648	481	52.05	92.37875	471	52.05	92.24241
	20%	917	52.07	94.12651	921	52.07	94.16196	936	52.07	94.17969	928	52.07	94.17969	922	52.07	94.17969
	30%	1361	52.04	94.38414	1362	52.04	94.38414	1386	52.04	94.39305	1384	52.04	94.39305	1383	52.04	94.38414
	50%	2304	52.08	93.84384	2291	52.08	93.85265	2279	52.08	93.87908	2300	52.08	93.85265	2286	52.08	93.87908
	75%	3395	52.08	92.57545	3398	52.09	92.56688	3388	52.09	92.54118	3398	52.08	92.57545	3409	52.09	92.54975
	100%	4564	52.12	91.23255	4569	52.12	91.20759	4556	52.12	91.22423	4574	52.11	91.24088	4575	52.11	91.23255
Vmax	10%	463	58.16	92.4129	478	58.16	92.52406	472	58.06	92.47272	459	58.05	92.37022	460	58.05	92.34463
	20%	887	58.13	94.02031	911	58.06	94.04684	921	58.06	94.09108	905	58.06	94.08223	912	58.06	94.06453
	30%	1377	58.09	94.67007	1367	58.09	94.67904	1371	58.09	94.67904	1366	58.09	94.65215	1365	58.09	94.6432
	50%	2261	58.04	93.63296	2273	58.04	93.6505	2300	58.04	93.67681	2284	58.04	93.68559	2284	58.04	93.70315
	75%	3392	58.08	92.54975	3396	58.08	92.54975	3384	58.08	92.56688	3393	58.08	92.54118	3414	58.07	92.55831
	100%	4552	58.05	91.08298	4582	58.04	91.0581	4578	58.04	91.08298	4587	58.04	91.06639	4573	58.04	91.10787

Specified		Sample #6			Sample #7			Sample #8			Sample #9			Sample #10		
Input Voltage	Output Power	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(Vdc)	(% of rated)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
Vmin	10%	458	46.12	92.10648	482	46.12	92.36169	461	46.12	92.14891	472	46.12	92.26795	467	46.12	92.24241
	20%	918	46.13	94.52689	913	46.13	94.51796	914	46.13	94.49117	926	46.13	94.53583	916	46.13	94.51796
	30%	1385	46.11	94.47331	1372	46.11	94.49117	1378	46.11	94.48224	1378	46.11	94.49117	1367	46.11	94.48224
	50%	2316	46.12	94.01147	2299	46.13	94.02031	2298	46.13	94.02915	2297	46.13	94.02915	2222	46.14	94.06453
	75%	3401	46.11	92.59259	3399	46.12	92.6269	3380	46.12	92.64406	3387	46.12	92.65265	3382	46.11	92.66982
	100%	4567	46.16	91.31586	4575	46.15	91.3242	4568	46.15	91.3242	4555	46.16	91.3242	4580	46.15	91.29919
Vnom	10%	455	52.05	92.07255	481	52.05	92.25943	469	52.05	92.19139	473	52.05	92.28498	473	52.05	92.23391
	20%	915	52.07	94.14423	918	52.07	94.17083	917	52.07	94.17969	912	52.07	94.15309	923	52.07	94.15309
	30%	1366	52.04	94.40196	1378	52.04	94.41088	1363	52.04	94.38414	1385	52.04	94.42871	1386	52.04	94.40196
	50%	2286	52.08	93.87908	2287	52.08	93.87908	2311	52.08	93.87027	2295	52.08	93.87027	2281	52.08	93.8879
	75%	3398	52.09	92.59259	3401	52.09	92.58402	3403	52.08	92.57545	3401	52.08	92.59259	3380	52.09	92.60117
	100%	4586	52.11	91.19927	4600	52.1	91.19927	4548	52.13	91.23255	4575	52.12	91.21591	4562	52.12	91.2492
Vmax	10%	472	58.05	92.44707	482	58.05	92.55831	484	58.05	92.60974	470	58.05	92.48127	485	58.05	92.60117
	20%	921	58.06	94.08223	911	58.06	94.07338	907	58.06	94.10879	920	58.06	94.10879	931	58.06	94.16196
	30%	1363	58.09	94.67904	1364	58.09	94.67007	1361	58.09	94.688	1378	58.09	94.688	1377	58.09	94.688
	50%	2302	58.04	93.71193	2293	58.04	93.72071	2283	58.04	93.73828	2283	58.04	93.75586	2294	58.04	93.72071
	75%	3392	58.08	92.54975	3408	58.07	92.57545	3398	58.08	92.58402	3388	58.08	92.59259	3393	58.08	92.59259
	100%	4560	58.05	91.09127	4557	58.04	91.10787	4559	58.05	91.09957	4566	58.05	91.09127	4574	58.04	91.10787

VARIATIONS							
Input Voltage	Output Power	Absolutes			Percentages (%)		
(Vdc)	(% of rated)	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
Vmin	10%	31.000	0.010	0.255	6.67%	0.02%	0.28%
	20%	19.000	0.000	0.036	2.06%	0.00%	0.04%
	30%	32.000	0.010	0.098	2.33%	0.02%	0.10%
	50%	26.000	0.010	0.035	1.13%	0.02%	0.04%
	75%	251.000	0.420	0.308	7.31%	0.91%	0.33%
	100%	26.000	0.070	0.050	0.57%	0.15%	0.05%
Vnom	10%	28.000	0.000	0.323	6.00%	0.00%	0.35%
	20%	21.000	0.000	0.053	2.28%	0.00%	0.06%
	30%	25.000	0.000	0.027	1.82%	0.00%	0.03%
	50%	18.000	0.000	0.035	0.79%	0.00%	0.04%
	75%	14.000	0.010	0.043	0.41%	0.02%	0.05%
	100%	36.000	0.020	0.042	0.79%	0.04%	0.05%
Vmax	10%	23.000	0.110	0.214	4.90%	0.19%	0.23%
	20%	34.000	0.070	0.071	3.74%	0.12%	0.08%
	30%	14.000	0.000	0.036	1.02%	0.00%	0.04%
	50%	41.000	0.000	0.088	1.79%	0.00%	0.09%
	75%	22.000	0.010	0.034	0.65%	0.02%	0.04%
	100%	35.000	0.010	0.050	0.77%	0.02%	0.05%