Manufacturer: Schneider Electric Solar Inverters USA

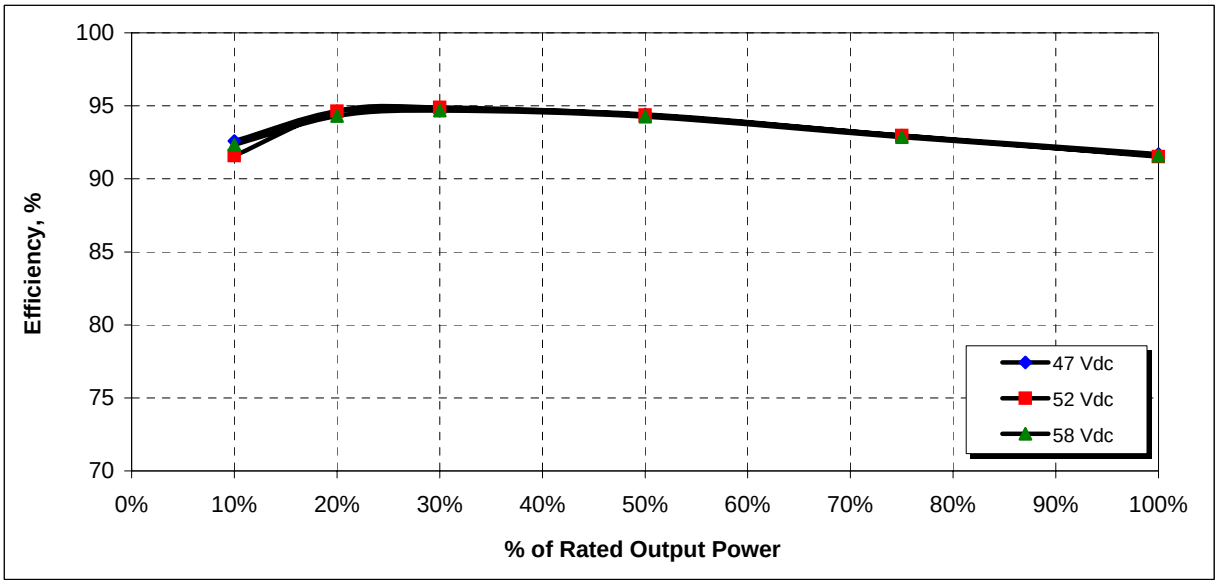
Model #: XW+ 5548-NA

Rated Maximum Continuous Output Power @25°C: 4491.00 W Night Tare Loss: 17.00 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		449.10	898.20	1347.30	2245.50	3368.25	4491.00	Wtd
Vmin	47	92.6	94.6	94.8	94.4	93.0	91.7	93.5
Vnom	52	91.6	94.6	94.9	94.4	93.0	91.5	93.4
Vmax	58	92.3	94.3	94.7	94.2	92.9	91.6	93.4

CEC Efficiency = 93.5%



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%	438	46.1	92.83327	432	46.1	92.79881	412	46.1	92.48127	419	46.1	92.66982	423	46.1	92.71278
	20%	868	46.05	94.60738	868	46.05	94.63424	876	46.05	94.6432	863	46.05	94.61633	874	46.05	94.62528
	30%	1336	46.16	94.75978	1334	46.16	94.74183	1337	46.16	94.74183	1332	46.16	94.74183	1347	46.16	94.75978
	50%	2111	46.22	94.40196	2120	46.07	94.41088	2121	46.07	94.38414	2117	46.07	94.41979	2120	46.07	94.41979
	75%	3346	46.53	92.75577	3433	46.54	92.9109	3443	46.08	92.94544	3446	46.07	92.94544	3459	46.07	92.9973
	100%	4514	46.7	91.70105	4531	46.09	91.67583	4530	46.09	91.68424	4523	46.06	91.68424	4524	46.07	91.68424
Vnom	10%	411	52.09	91.70946	421	52.09	91.75154	428	52.09	91.80207	421	52.09	91.75154	406	52.09	91.45784
	20%	886	52.09	94.59843	874	52.09	94.57159	880	52.09	94.61633	887	52.09	94.6432	873	52.09	94.6432
	30%	1332	52.06	94.87666	1337	52.05	94.87666	1341	52.05	94.85866	1336	52.05	94.90367	1334	52.06	94.87666
	50%	2112	52.48	94.34852	2108	52.11	94.36633	2118	52.11	94.34852	2118	52.11	94.35743	2123	52.11	94.37524
	75%	3434	52.47	92.96272	3444	52.14	92.95408	3463	52.13	92.97136	3456	52.13	92.98866	3460	52.12	92.95408
	100%	4523	52.03	91.4662	4522	52.03	91.4662	4516	52.03	91.48294	4532	52.03	91.4662	4535	52.03	91.56671
Vmax	10%	422	58.15	92.25943	421	58.15	92.31905	432	58.15	92.38729	409	58.11	92.14891	436	58.11	92.4129
	20%	881	58.11	94.28625	894	58.11	94.29514	892	58.11	94.29514	889	58.11	94.25959	880	58.11	94.29514
	30%	1338	58.07	94.69697	1329	58.07	94.67007	1334	58.07	94.67007	1327	58.07	94.67904	1328	58.07	94.65215
	50%	2132	58.25	94.18857	2119	58.11	94.21519	2117	58.11	94.24182	2129	58.11	94.24182	2116	58.11	94.24182
	75%	3452	58.11	92.87638	3456	58.11	92.85051	3459	58.11	92.84189	3458	58.11	92.87638	3456	58.11	92.85913
	100%	4530	58.03	91.57509	4531	58.04	91.56671	4527	58.04	91.58348	4525	58.04	91.58348	4528	58.05	91.58348

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%	426	46.1	92.70418	410	46.1	92.50694	415	46.1	92.38729	413	46.1	92.35316	429	46.1	92.52406
	20%	872	46.05	94.61633	867	46.05	94.62528	876	46.05	94.61633	872	46.05	94.60738	878	46.05	94.62528
	30%	1339	46.16	94.78673	1339	46.16	94.75978	1346	46.16	94.77775	1338	46.16	94.77775	1349	46.16	94.78673
	50%	2111	46.07	94.42871	2118	46.07	94.41088	2099	46.07	94.42871	2124	46.07	94.43762	2119	46.07	94.41088
	75%	3457	46.07	92.98866	3447	46.08	92.98866	3444	46.07	93.0146	3454	46.07	93.02326	3457	46.08	93.02326
	100%	4527	46.06	91.69265	4528	46.08	91.70105	4533	46.08	91.68424	4535	46.06	91.65903	4532	46.05	91.70105
Vnom	10%	410	52.09	91.50805	404	52.09	91.47457	408	52.1	91.4662	404	52.09	91.37427	406	52.1	91.4662
	20%	883	52.09	94.62528	877	52.09	94.62528	880	52.09	94.62528	876	52.09	94.6432	896	52.09	94.688
	30%	1325	52.06	94.89467	1337	52.06	94.89467	1338	52.05	94.90367	1341	52.05	94.89467	1339	52.06	94.88566
	50%	2123	52.11	94.37524	2120	52.11	94.37524	2113	52.11	94.38414	2106	52.11	94.37524	2104	52.11	94.38414
	75%	3452	52.13	92.9973	3462	52.13	92.95408	3466	52.12	92.9368	3447	52.12	92.97136	3447	52.13	92.98866
	100%	4553	52.02	91.55832	4528	52.03	91.57509	4529	52.02	91.58348	4539	52.02	91.54994	4521	52.04	91.57509
Vmax	10%	422	58.11	92.37875	425	58.11	92.36169	422	58.11	92.20839	430	58.11	92.38729	428	58.11	92.36169
	20%	894	58.11	94.36633	880	58.11	94.29514	885	58.11	94.31293	887	58.11	94.30404	894	58.11	94.32183
	30%	1341	58.07	94.67007	1324	58.08	94.67007	1339	58.07	94.70594	1321	58.08	94.6432	1326	58.08	94.61633
	50%	2128	58.11	94.24182	2126	58.11	94.26848	2123	58.11	94.27736	2125	58.11	94.26848	2111	58.11	94.29514
	75%	3463	58.11	92.84189	3455	58.11	92.85913	3464	58.12	92.85913	3456	58.12	92.85913	3451	58.12	92.86776
	100%	4527	58.05	91.59187	4503	58.05	91.60026	4516	58.05	91.60865	4539	58.04	91.60026	4530	58.04	91.60026

VARIATIONS							
Input Voltage	Output Power	Absolutes			Percentages (%)		
(Vdc)	(% of rated)	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
Vmin	10%	28.000	0.000	0.326	6.62%	0.00%	0.35%
	20%	13.000	0.000	0.036	1.49%	0.00%	0.04%
	30%	15.000	0.000	0.045	1.12%	0.00%	0.05%
	50%	10.000	0.150	0.027	0.47%	0.33%	0.03%
	75%	113.000	0.470	0.242	3.29%	1.02%	0.26%
	100%	17.000	0.640	0.025	0.38%	1.39%	0.03%
Vnom	10%	24.000	0.000	0.344	5.79%	0.00%	0.38%
	20%	14.000	0.000	0.072	1.59%	0.00%	0.08%
	30%	16.000	0.010	0.027	1.20%	0.02%	0.03%
	50%	15.000	0.370	0.027	0.71%	0.71%	0.03%
	75%	29.000	0.350	0.043	0.84%	0.67%	0.05%
	100%	31.000	0.010	0.109	0.68%	0.02%	0.12%
Vmax	10%	27.000	0.040	0.264	6.37%	0.07%	0.29%
	20%	14.000	0.000	0.107	1.58%	0.00%	0.11%
	30%	17.000	0.010	0.045	1.28%	0.02%	0.05%
	50%	16.000	0.140	0.080	0.75%	0.24%	0.08%
	75%	11.000	0.000	0.034	0.32%	0.00%	0.04%
	100%	28.000	0.020	0.034	0.62%	0.03%	0.04%