Manufacturer: Schneider Electric Solar Inverters USA

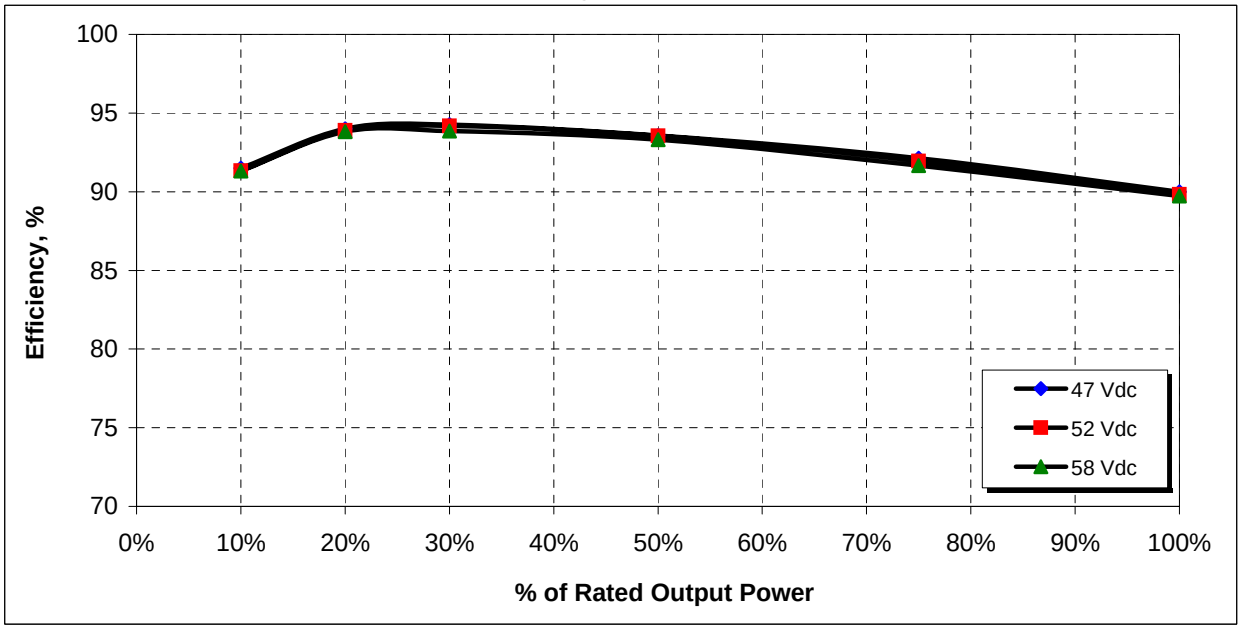
Model #: XW+ 6848-NA

Rated Maximum Continuous Output Power @25°C: 6.000 kW Night Tare Loss: 1.00 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.60	1.20	1.80	3.00	4.50	6.00	Wtd
Vmin	47	91.5	94.0	94.3	93.6	92.1	90.0	92.7
Vnom	52	91.3	93.9	94.2	93.5	91.9	89.8	92.5
Vmax	58	91.3	93.8	93.9	93.3	91.7	89.7	92.3

CEC Efficiency = 92.5%



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%	566	47.06	91.59	550	47.06	91.54	552	47.06	91.50	542	47.06	91.38	551	47.06	91.54
	20%	1166	47.1	93.98	1132	47.1	94.00	1149	47.1	93.99	1142	47.1	93.95	1150	47.1	93.99
	30%	1730	47.04	94.18	1728	47.04	94.24	1730	47.04	94.24	1723	47.04	94.30	1722	47.04	94.29
	50%	2999	47.16	93.42	2913	47.16	93.57	2917	47.16	93.57	2916	47.16	93.59	2923	47.16	93.59
	75%	4356	47.83	92.11	4371	47.2	92.11	4357	47.01	92.13	4366	47.01	92.14	4367	47.01	92.13
	100%	6028	47.44	89.98	6017	47.14	90.00	6019	47.14	90.00	6024	47.13	89.98	6021	47.14	89.99
Vnom	10%	553	52.06	91.44	558	52.06	91.44	545	52.06	91.32	552	52.06	91.42	552	52.06	91.38
	20%	1141	52.17	93.88	1145	52.17	93.88	1142	52.17	93.87	1147	52.17	93.91	1146	52.17	93.89
	30%	1724	51.95	94.20	1725	51.95	94.18	1726	51.95	94.20	1727	51.95	94.22	1729	51.95	94.20
	50%	2926	52.05	93.55	2918	52.04	93.55	2921	52.04	93.51	2921	52.04	93.54	2922	52.04	93.57
	75%	4362	52.07	91.90	4369	52.08	91.94	4372	52.08	91.91	4370	52.08	91.94	4374	52.08	91.92
	100%	6031	52.04	89.83	6024	52.07	89.84	6019	52.07	89.85	6030	52.06	89.83	6036	52.06	89.81
Vmax	10%	555	58.06	91.34	557	58.07	91.41	550	58.07	91.26	543	58.07	91.35	555	58.07	91.30
	20%	1150	57.93	93.80	1143	58.1	93.80	1150	58.1	93.72	1146	58.1	93.88	1145	58.1	93.84
	30%	1723	58	93.82	1729	58	93.89	1725	58	93.84	1724	58	93.84	1730	58	93.87
	50%	2930	58	93.30	2924	58	93.31	2932	58	93.30	2926	58	93.29	2924	58	93.30
	75%	4356	58.16	91.57	4362	58.16	91.58	4372	58.16	91.57	4362	58.17	91.63	4354	58.17	91.67
	100%	6036	57.57	89.69	6034	57.57	89.73	6025	57.58	89.74	6024	57.58	89.73	6032	57.58	89.72

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%	549	47.06	91.31	540	47.06	91.42	554	47.06	91.53	558	47.06	91.61	555	47.06	91.58
	20%	1139	47.1	93.98	1147	47.1	94.06	1148	47.1	94.00	1139	47.1	93.98	1135	47.1	94.09
	30%	1724	47.04	94.30	1725	47.04	94.26	1731	47.04	94.27	1725	47.04	94.27	1722	47.04	94.30
	50%	2921	47.16	93.58	2924	47.16	93.57	2926	47.16	93.58	2916	47.16	93.61	2921	47.16	93.62
	75%	4358	47.01	92.15	4370	47.01	92.13	4372	47.01	92.14	4365	47.01	92.17	4364	47.01	92.17
	100%	6013	47.15	90.01	6020	47.14	89.98	6025	47.13	89.99	6019	47.14	89.99	6015	47.14	90.00
Vnom	10%	553	52.06	91.39	553	52.06	91.39	557	52.06	91.42	559	52.06	91.42	549	52.83	90.64
	20%	1140	52.17	93.88	1148	52.17	93.90	1147	52.17	93.89	1142	52.17	93.87	1151	52.17	93.98
	30%	1724	51.95	94.22	1724	51.95	94.19	1723	51.95	94.18	1728	51.95	94.15	1726	51.95	94.19
	50%	2923	52.04	93.53	2921	52.04	93.55	2924	52.04	93.53	2927	52.04	93.55	2922	52.04	93.57
	75%	4370	52.08	91.93	4367	52.08	91.95	4362	52.09	91.98	4367	52.08	91.96	4374	52.08	91.97
	100%	6025	52.07	89.82	6019	52.07	89.83	6033	52.06	89.83	6033	52.06	89.82	6021	52.07	89.84
Vmax	10%	546	58.07	91.01	542	58.07	91.28	548	58.07	91.18	548	58.07	91.60	544	58.07	91.37
	20%	1143	58.1	93.82	1149	58.1	93.80	1149	58.1	93.81	1149	58.1	93.90	1142	58.1	93.87
	30%	1728	58	93.86	1728	58	93.89	1728	58	93.87	1723	58	93.85	1731	58	93.84
	50%	2927	58	93.31	2925	58	93.29	2924	58	93.34	2930	58	93.31	2928	58	93.32
	75%	4358	58.17	91.73	4372	58.17	91.68	4360	58.17	91.73	4356	58.17	91.71	4359	58.17	91.75
	100%	6040	57.57	89.70	6030	57.58	89.74	6026	57.58	89.73	6037	57.58	89.73	6040	57.58	89.70

VARIATIONS							
Input Voltage	Output Power	Absolutes			Percentages (%)		
(Vdc)	(% of rated)	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
Vmin	10%	26.000	0.000	0.280	4.73%	0.00%	0.31%
	20%	34.000	0.000	0.115	2.97%	0.00%	0.12%
	30%	8.000	0.000	0.115	0.46%	0.00%	0.12%
	50%	86.000	0.000	0.166	2.93%	0.00%	0.18%
	75%	15.000	0.820	0.042	0.34%	1.74%	0.05%
	100%	15.000	0.310	0.032	0.25%	0.66%	0.04%
Vnom	10%	6.000	0.000	0.060	1.09%	0.00%	0.07%
	20%	8.000	0.000	0.026	0.70%	0.00%	0.03%
	30%	5.000	0.000	0.035	0.29%	0.00%	0.04%
	50%	8.000	0.010	0.044	0.27%	0.02%	0.05%
	75%	12.000	0.010	0.051	0.27%	0.02%	0.06%
	100%	17.000	0.030	0.032	0.28%	0.06%	0.04%
Vmax	10%	15.000	0.010	0.400	2.73%	0.02%	0.44%
	20%	7.000	0.170	0.079	0.61%	0.29%	0.08%
	30%	7.000	0.000	0.070	0.41%	0.00%	0.08%
	50%	8.000	0.000	0.017	0.27%	0.00%	0.02%
	75%	18.000	0.010	0.168	0.41%	0.02%	0.18%
	100%	16.000	0.010	0.048	0.27%	0.02%	0.05%