Manufacturer: Schuco USA L.P.

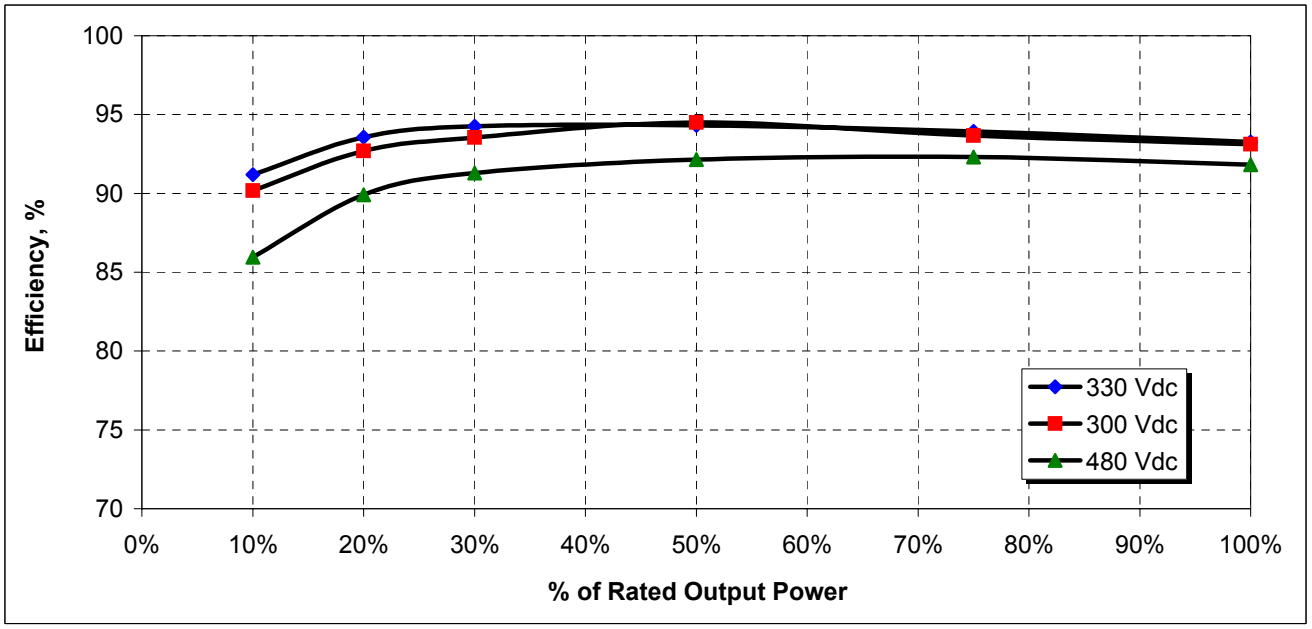
Model #: SWR2100U

Rated Maximum Continuous Output Power: 2100.00 kW Night Tare Loss: 0.32 W

Vmin: 250 Vdc Vnom: 300 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		210.00	420.00	630.00	1050.00	1575.00	2100.00	Wtd
Vmin	330	91.2	93.6	94.3	94.3	93.9	93.3	93.9
Vnom	300	90.2	92.7	93.5	94.5	93.7	93.1	93.6
Vmax	480	86.0	89.9	91.3	92.1	92.3	91.8	91.8

CEC Efficiency = 93.0%



Inverter Efficiency Data

Minimum of 5 samples required

Specified		Sample #1			Sample #2			Sample #3			Sample #4			Sample #5		
Output Power	Input Voltage	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
(% of rated)	(Vdc)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	242	250.80	91.155	242	250.90	91.183	242	250.80	91.142	242	250.90	91.183	242	250.90	91.183
20%	Vmin	444	250.70	93.578	444	250.70	93.576	444	250.80	93.434	444	250.70	93.557	445	250.70	93.638
30%	Vmin	632	250.60	94.241	632	250.70	94.296	632	250.70	94.254	631	250.60	94.337	631	250.60	94.281
50%	Vmin	967	250.60	94.349	966	250.60	94.310	966	250.60	94.243	966	250.50	94.372	966	250.60	94.327
75%	Vmin	1481	250.50	93.825	1482	250.40	93.900	1484	250.40	94.023	1482	250.40	93.875	1482	250.50	93.912
100%	Vmin	2011	250.30	93.275	2007	250.30	93.132	2007	250.30	93.089	2012	250.20	93.451	2011	250.30	93.318
10%	Vnom	243	302.30	90.200	243	302.20	90.230	243	302.20	90.156	243	302.30	90.193	243	302.20	90.156
20%	Vnom	454	302.10	92.670	454	302.20	92.695	455	302.10	92.774	454	302.20	92.631	454	302.20	92.730
30%	Vnom	632	302.00	93.504	632	302.10	93.504	632	302.10	93.505	633	302.20	93.636	632	302.20	93.562
50%	Vnom	995	302.10	97.760	956	302.00	94.046	955	302.00	93.821	955	302.00	93.987	955	302.10	94.006
75%	Vnom	1482	301.80	93.843	1481	301.90	93.679	1480	301.90	93.671	1479	301.90	93.615	1480	301.70	93.677
100%	Vnom	2014	301.90	93.025	2018	301.60	93.296	2015	301.50	93.158	2015	301.60	93.158	2015	301.80	93.072
10%	Vmax	245	478.40	85.960	244	478.20	85.870	245	478.40	86.135	245	478.30	86.217	245	478.50	85.905
20%	Vmax	445	478.20	89.921	445	478.30	89.901	446	478.40	89.986	445	478.30	89.899	445	478.30	89.885
30%	Vmax	639	478.30	91.339	639	478.30	91.324	639	478.20	91.281	638	478.10	91.259	638	478.20	91.237
50%	Vmax	960	478.00	92.216	959	478.20	92.160	959	478.10	92.093	959	478.10	92.175	959	478.20	92.076
75%	Vmax	1483	478.20	92.279	1483	477.90	92.327	1484	478.00	92.361	1483	478.00	92.328	1482	478.00	92.274
100%	Vmax	2008	478.10	91.857	2007	478.00	91.770	2008	478.00	91.857	2008	477.90	91.857	2007	477.80	91.812

Specified		Sample #6			Sample #7			Sample #8			Sample #9			Sample #10		
Output Power	Input Voltage	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
(% of rated)	(Vdc)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	242	250.80	91.183	242	250.80	91.258									
20%	Vmin	444	250.80	93.637	444	250.80	93.489									
30%	Vmin	632	250.60	94.282	631	250.70	94.166									
50%	Vmin	965	250.70	94.203	967	250.60	94.405									
75%	Vmin	1483	250.20	94.037	1483	250.40	93.992									
100%	Vmin	2010	250.10	93.271	2012	250.40	93.278	2011	250.20	93.318	2010	250.40	93.185	2011	250.50	93.231
10%	Vnom	243	302.30	90.152	243	302.30	90.089									
20%	Vnom	454	302.10	92.695	454	302.20	92.695									
30%	Vnom	632	302.10	93.592	632	302.10	93.460									
50%	Vnom	955	302.00	93.995	955	302.10	93.933									
75%	Vnom	1478	302.00	93.522	1480	301.80	93.628									
100%	Vnom	2014	301.70	93.025	2015	301.80	93.029									
10%	Vmax	244	478.40	85.770	244	478.30	85.845									
20%	Vmax	445	478.50	89.814	446	478.40	89.986									
30%	Vmax	638	478.10	91.205	639	478.20	91.332									
50%	Vmax	959	478.10	92.178	959	478.20	92.141									
75%	Vmax	1483	477.90	92.341	1483	478.00	92.281									
100%	Vmax	2008	477.90	91.815	2008	477.90	91.815									