Manufacturer: SUNGROW POWER SUPPLY CO., LTD

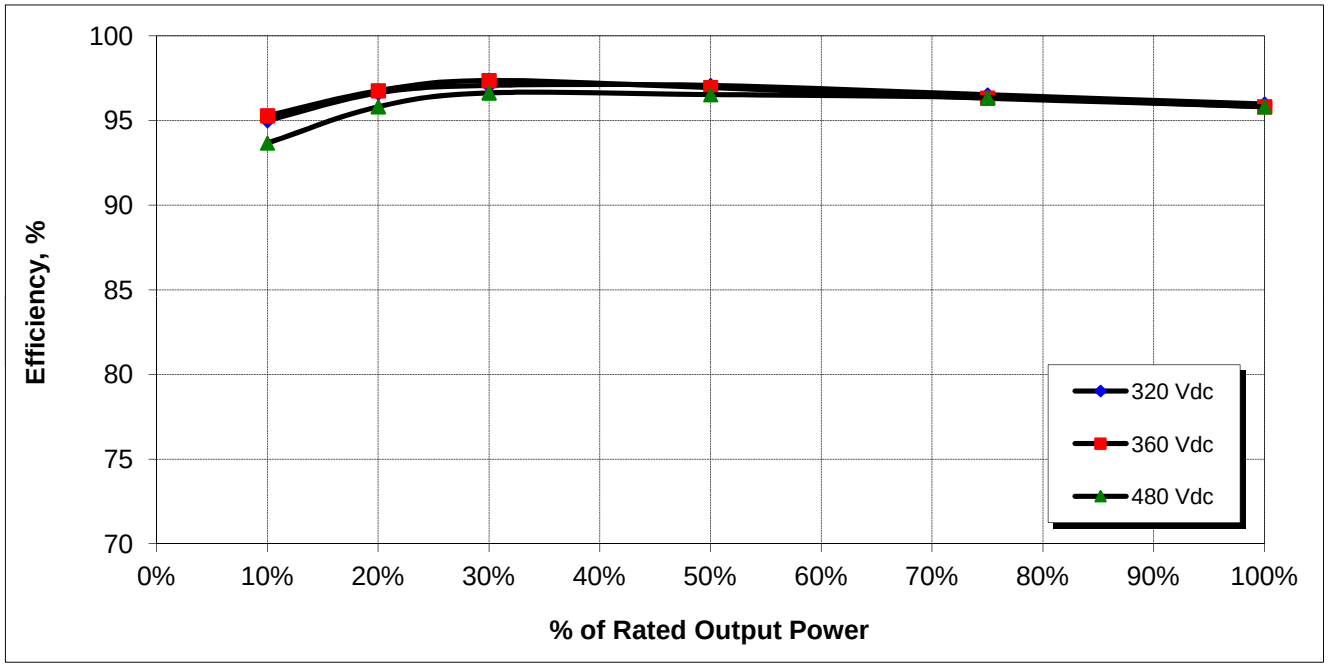
Model #: SG250KU

Rated Maximum Continuous Output Power @25°C: 250 kW Night Tare Loss: 50 W
Rated Maximum Continuous Output Power @40°C: 250 kW Night Tare Loss: 50 W

Vmin: 320 Vdc Vnom: 360 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		25.00	50.00	75.00	125.00	187.50	250.00	Wtd
Vmin	320	95.0	96.6	97.1	97.1	96.5	96.0	96.6
Vnom	360	95.3	96.8	97.4	96.9	96.3	95.8	96.5
Vmax	480	93.7	95.8	96.6	96.5	96.3	95.8	96.3

CEC Efficiency = 96.5%



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)	(W)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	21711	322.44	94.94	21614	324.32	95.00	21338	322.84	95.04	21566	321.31	94.94	21722	322.54	95.05
20%	Vmin	49505	323.30	96.53	49665	322.72	96.59	49512	323.59	96.63	49203	324.50	96.58	49770	320.96	96.68
30%	Vmin	75564	323.54	96.83	75935	322.97	97.05	76011	322.83	97.10	75865	323.33	97.10	75733	323.82	97.09
50%	Vmin	127563	322.25	97.06	127572	322.20	97.05	127582	322.20	97.06	127305	322.98	97.06	127277	323.14	97.08
75%	Vmin	189094	323.05	96.50	189074	323.08	96.50	189041	323.09	96.50	188742	323.38	96.51	188793	323.30	96.52
100%	Vmin	256370	322.93	95.98	256377	322.91	95.97	256379	322.89	95.97	256302	322.97	95.97	256235	323.09	95.97
10%	Vnom	23805	363.19	95.28	23806	363.22	95.22	23804	363.25	95.27	23806	363.24	95.30	23807	363.25	95.35
20%	Vnom	50205	362.47	96.62	50201	362.49	96.59	50204	362.44	96.63	50201	362.45	96.65	50246	362.47	96.79
30%	Vnom	76228	363.09	97.35	76212	363.12	97.39	76212	363.13	97.37	76212	363.15	97.34	76208	363.16	97.38
50%	Vnom	127656	361.31	97.23	127508	361.32	97.10	127308	361.31	96.95	127222	361.28	96.89	127182	361.35	96.89
75%	Vnom	189020	361.51	96.32	189013	361.55	96.32	189018	361.57	96.32	189009	361.57	96.31	188932	361.65	96.33
100%	Vnom	255999	362.50	95.82	255908	362.55	95.81	255983	362.46	95.82	256016	362.40	95.81	256015	362.40	95.83
10%	Vmax	21894	477.05	93.71	21891	477.08	93.67	21896	477.04	93.73	21885	477.04	93.64	21887	477.06	93.72
20%	Vmax	50542	477.39	95.93	50547	477.30	95.96	50552	477.28	96.03	50474	477.32	95.93	50349	477.33	95.63
30%	Vmax	76532	478.18	96.67	76363	478.64	96.63	76421	478.47	96.63	76555	478.14	96.61	76584	478.11	96.62
50%	Vmax	127974	477.45	96.61	127810	477.45	96.49	127810	477.45	96.52	127815	477.47	96.50	127819	477.49	96.52
75%	Vmax	189793	478.06	96.38	189705	478.02	96.31	189712	478.03	96.34	189714	478.04	96.33	189709	478.02	96.35
100%	Vmax	256293	477.75	95.82	256292	477.74	95.81	256284	477.73	95.80	256277	477.75	95.80	256287	477.73	95.81

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	21716	323.10	95.05	21657	323.83	95.04									
20%	Vmin	50089	320.96	96.67	49961	322.65	96.69									
30%	Vmin	75811	323.60	97.12	75636	324.30	97.15									
50%	Vmin	127470	322.53	97.07	127563	322.28	97.07									
75%	Vmin	188988	323.12	96.51	189089	323.01	96.52									
100%	Vmin	256278	323.11	95.97	256316	323.08	95.98									
10%	Vnom	23803	363.26	95.30	23806	363.30	95.24									
20%	Vnom	50381	362.46	97.02	50380	362.46	97.05									
30%	Vnom	76210	363.15	97.38	76204	363.17	97.34									
50%	Vnom	126922	361.47	96.76	127010	361.38	96.76									
75%	Vnom	188978	361.63	96.33	189013	361.59	96.33									
100%	Vnom	256042	362.34	95.83	256029	362.35	95.83									
10%	Vmax	21893	477.11	93.62	21887	477.10	93.61									
20%	Vmax	50345	477.32	95.62	50345	477.37	95.58									
30%	Vmax	76587	478.13	96.61	76580	478.15	96.61									
50%	Vmax	127816	477.49	96.52	127818	477.50	96.52									
75%	Vmax	189707	478.03	96.34	189712	478.03	96.35									
100%	Vmax	256287	477.73	95.80	256284	477.75	95.80									