Manufacturer: Sungrow Power Supply CO., LTD.

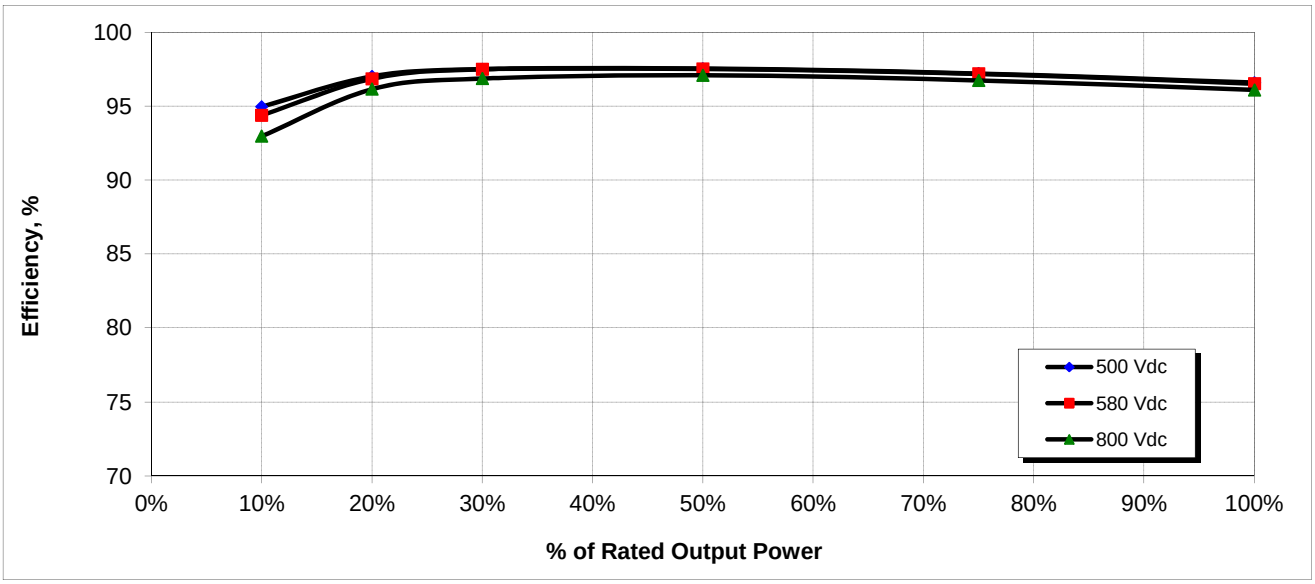
Model #: SG750MX

Rated Maximum Continuous Output Power: 750.00 kW Night Tare Loss: 87 W

Vmin: 500 Vdc Vnom: 580 Vdc Vmax: 800 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		75.00	150.00	225.00	375.00	562.50	750.00	Wtd
Vmin	500	94.97	97.01	97.50	97.55	97.21	96.59	97.19
Vnom	580	94.38	96.85	97.49	97.51	97.19	96.52	97.13
Vmax	800	92.97	96.15	96.87	97.09	96.75	96.09	96.62

CEC Efficiency of Inverter and MV TP1 Transformer = 97.0%



Manufacturer: Sungrow Power Supply CO., LTD.

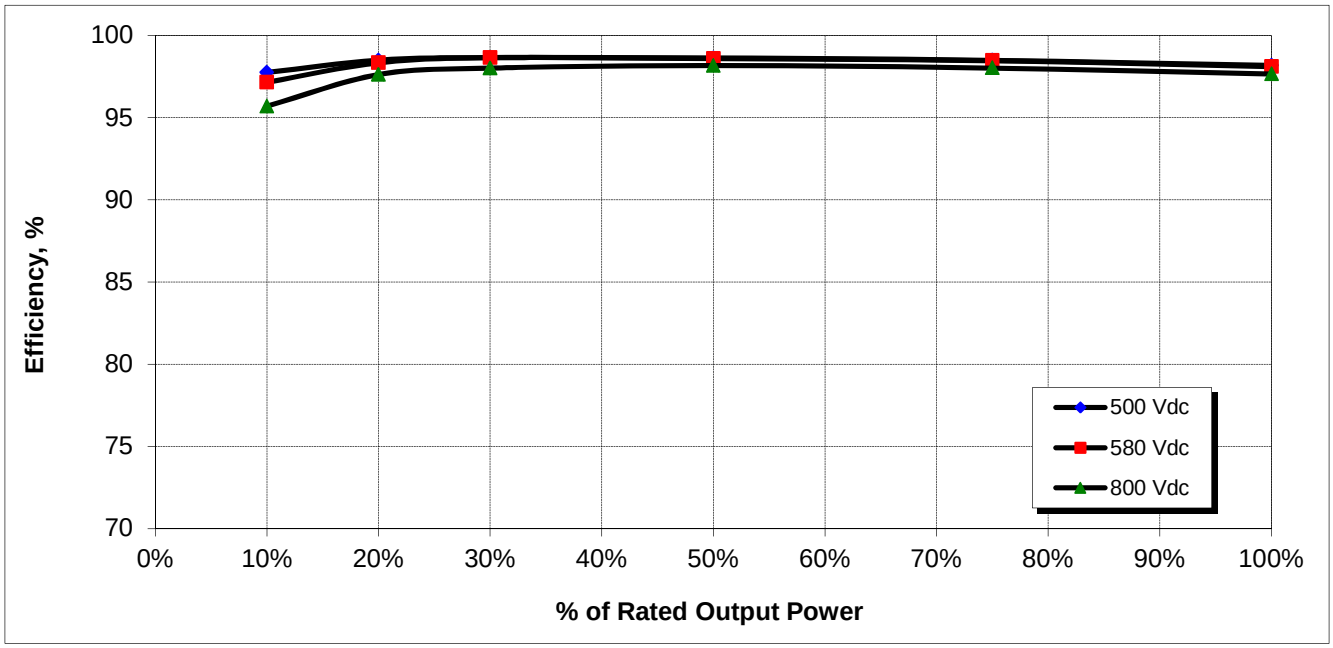
Model #: SG750MX

Rated Maximum Continuous Output Power: 750.0 kW Night Tare Loss: 87 W

Vmin: 500 Vdc Vnom: 580 Vdc Vmax: 800 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		75.00	150.00	225.00	375.00	562.50	750.00	Wtd
Vmin	500	97.75	98.50	98.66	98.63	98.49	98.17	98.50
Vnom	580	97.15	98.34	98.64	98.59	98.47	98.10	98.44
Vmax	800	95.70	97.62	98.01	98.17	98.02	97.66	97.92

Inverter Efficiency only = 98.5%



800kVA TP1 Transformer Efficiency

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		75.00	150.00	225.00	375.00	562.50	750.00	Wtd
Vmin	545	97.15	98.49	98.83	98.90	98.70	98.39	98.70
Vnom	615	97.15	98.49	98.83	98.90	98.70	98.39	98.70
Vmax	800	97.15	98.49	98.83	98.90	98.70	98.39	98.70

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)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	73271.40	505.55	97.71	73290.17	506.25	97.76	73482.93	502.62	97.77	73319.50	503.56	97.72	73471.97	502.15	97.71
20%	Vmin	147798.33	507.44	98.51	147856.00	508.40	98.50	147841.33	507.40	98.51	147840.00	507.27	98.51	147910.67	506.81	98.50
30%	Vmin	228738.33	507.28	98.74	228802.67	505.67	98.65	228776.67	506.36	98.65	228721.67	505.45	98.63	228742.00	506.34	98.65
50%	Vmin	390359.33	506.91	98.63	390470.67	505.51	98.64	390457.67	506.72	98.62	390467.00	505.29	98.62	390527.00	505.48	98.64
75%	Vmin	584980.00	503.67	98.49	584974.67	503.79	98.50	584941.67	503.87	98.49	584960.67	504.00	98.49	584923.00	504.02	98.49
100%	Vmin	746493.67	503.42	98.17	746570.33	503.20	98.17	746753.33	502.27	98.18	746619.67	502.92	98.17	746562.00	503.00	98.17
10%	Vnom	66882.33	582.78	97.16	66836.23	583.19	97.15	66855.13	583.23	97.15	66847.00	583.23	97.15	66825.73	583.55	97.14
20%	Vnom	139939.33	584.09	98.33	139951.00	584.30	98.34	139932.67	584.27	98.34	139919.00	584.29	98.34	139961.67	584.33	98.34
30%	Vnom	229172.00	580.05	98.65	229171.00	580.05	98.64	229167.33	580.04	98.64	229193.33	580.16	98.64	229148.00	580.07	98.64
50%	Vnom	399445.00	585.71	98.59	399585.33	585.70	98.59	399535.67	585.50	98.59	399530.33	585.69	98.59	399559.33	585.54	98.60
75%	Vnom	527965.00	585.04	98.47	527766.33	588.97	98.46	528065.33	584.98	98.47	527908.00	588.26	98.47	528044.33	586.23	98.47
100%	Vnom	715239.67	587.34	98.10	714994.00	588.75	98.09	715464.67	585.37	98.10	715130.67	586.62	98.10	715444.00	586.62	98.10
10%	Vmax	70438.87	792.89	95.69	70478.13	792.87	95.71	70460.63	792.91	95.70	70440.50	792.96	95.69	70456.57	792.36	95.72
20%	Vmax	158835.33	795.38	97.61	158958.00	794.59	97.63	158860.33	795.40	97.62	158922.33	794.80	97.62	158918.33	795.03	97.63
30%	Vmax	229894.33	794.12	98.02	229896.33	794.28	98.01	229904.67	794.02	98.02	229837.67	794.41	98.01	229930.00	794.12	98.02
50%	Vmax	382991.00	791.26	98.17	383006.00	791.30	98.17	383017.33	791.35	98.17	383022.00	791.12	98.17	383029.67	791.39	98.17
75%	Vmax	573852.00	793.46	98.02	573843.33	793.53	98.02	573835.33	793.58	98.02	573864.67	793.58	98.02	573804.00	793.69	98.02
100%	Vmax	765017.00	788.81	97.66	765027.67	788.91	97.66	765073.33	788.64	97.66	764996.67	788.79	97.66	765106.33	788.70	97.66

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	73346.57	503.48	97.78	73521.97	501.25	97.82									
20%	Vmin	147832.33	507.53	98.50	147859.67	506.91	98.48									
30%	Vmin	228769.00	505.82	98.65	228765.33	506.02	98.65									
50%	Vmin	390385.33	505.99	98.64	390414.33	505.73	98.64									
75%	Vmin	584924.67	503.84	98.49	584923.33	503.96	98.49									
100%	Vmin	746582.67	503.00	98.18	746566.00	502.79	98.17									
10%	Vnom	66878.93	582.94	97.16	66833.33	583.30	97.15									
20%	Vnom	139903.00	584.37	98.33	139946.33	584.41	98.34									
30%	Vnom	229202.00	580.02	98.65	229176.67	580.11	98.64									
50%	Vnom	399522.67	585.46	98.59	399641.00	585.55	98.59									
75%	Vnom	527839.33	587.70	98.46	527894.33	586.32	98.47									
100%	Vnom	715424.00	583.91	98.10	715377.33	585.22	98.10									
10%	Vmax	70420.87	793.32	95.69	70456.57	793.23	95.70									
20%	Vmax	158955.67	795.31	97.61	158955.67	794.54	97.63									
30%	Vmax	229825.67	794.37	98.02	229865.67	794.41	98.01									
50%	Vmax	383055.00	791.19	98.17	383014.00	791.25	98.17									
75%	Vmax	573822.00	793.60	98.02	573890.00	793.57	98.02									
100%	Vmax	765048.67	788.83	97.66	765004.33	788.81	97.66									