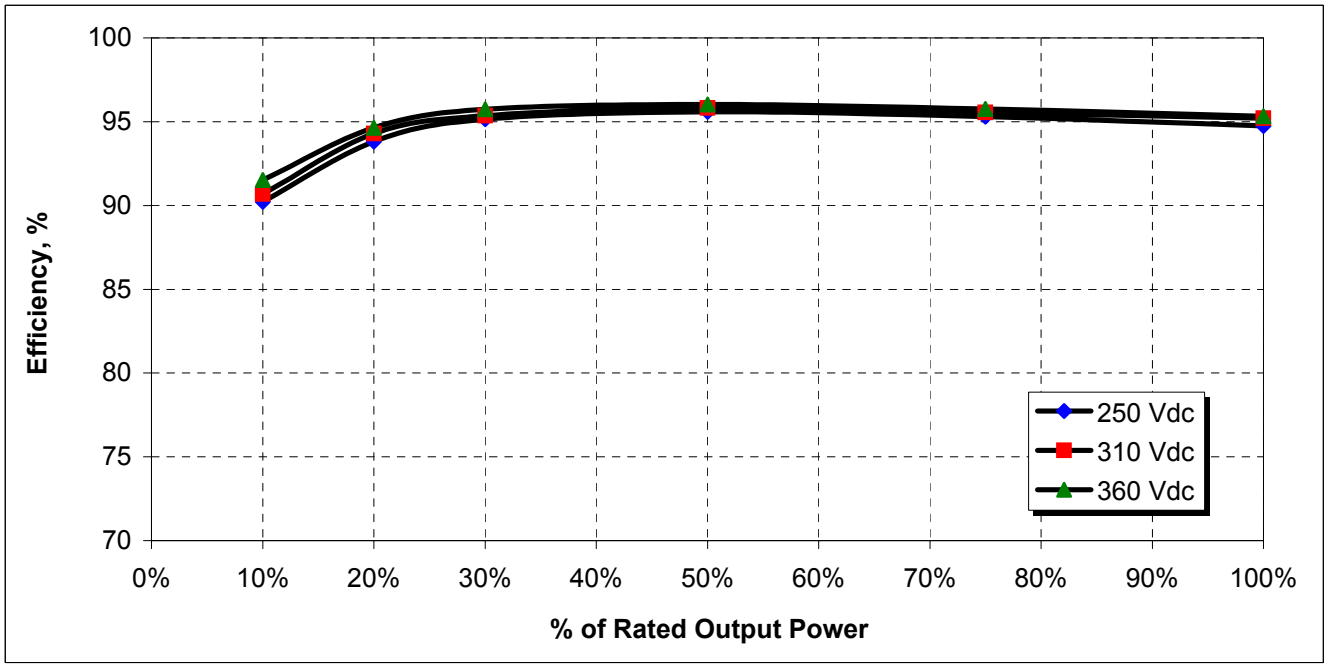
Manufacturer: Phoenixtec Power Co., Ltd.
Model #: PS240US3R (208V)

Rated Maximum Continuous Output Power: 4.00 kW Night Tare Loss: 60.30 W

Vmin: 250 Vdc Vnom: 310 Vdc Vmax: 360 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.40	0.80	1.20	2.00	3.00	4.00	Wtd
Vmin	250	90.2	93.8	95.1	95.6	95.3	94.8	95.0
Vnom	310	90.7	94.3	95.4	95.8	95.6	95.2	95.3
Vmax	360	91.5	94.6	95.8	96.0	95.8	95.3	95.6

CEC Efficiency = 95.5%



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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)
10%	Vmin	0.3551	249.8	90.400	0.355	249.8	90.300	0.368	249.7	90.300	0.368	249.7	90.200	0.357	248.5	89.920
20%	Vmin	0.7528	249.6	94.100	0.751	249.6	93.800	0.755	249.6	93.800	0.753	249.6	93.500	0.755	249.1	93.905
30%	Vmin	1.1500	249.4	95.300	1.150	249.2	95.400	1.146	249.5	95.000	1.148	248.5	94.900	1.148	249.0	95.107
50%	Vmin	1.9172	249.2	95.700	1.914	249.2	95.500	1.910	249.3	95.500	1.909	249.3	95.500	1.920	249.2	95.755
75%	Vmin	2.8478	248.9	95.500	2.851	249.1	95.200	2.884	249.0	95.300	2.881	249.0	95.200	2.857	249.4	95.340
100%	Vmin	3.7920	248.7	94.700	3.787	248.7	94.500	3.803	248.7	94.900	3.801	248.7	94.800	3.879	249.6	94.890
10%	Vnom	0.3647	309.8	90.800	0.365	309.7	90.700	0.368	310.0	90.600	0.368	309.9	90.700	0.368	309.9	90.625
20%	Vnom	0.7528	309.7	94.400	0.752	309.7	94.400	0.754	309.8	94.200	0.755	309.8	94.300	0.763	309.8	94.181
30%	Vnom	1.1492	309.6	95.500	1.149	309.6	95.600	1.155	309.7	95.300	1.155	309.7	95.200	1.145	309.7	95.179
50%	Vnom	1.9127	309.5	95.800	1.911	309.5	95.700	1.920	309.5	95.900	1.919	309.5	95.900	1.918	309.6	95.793
75%	Vnom	2.8929	309.3	95.500	2.894	309.2	95.700	2.870	309.3	95.500	2.869	309.3	95.500	2.867	309.3	95.592
100%	Vnom	3.8150	308.9	95.300	3.815	309.0	95.000	3.822	309.0	95.300	3.822	309.0	95.200	3.821	309.0	95.196
10%	Vmax	0.3644	359.8	91.400	0.365	359.8	91.500	0.368	359.9	91.500	0.368	359.8	91.600	0.368	359.9	91.568
20%	Vmax	0.7532	359.7	94.600	0.753	359.7	94.600	0.764	359.8	94.700	0.763	359.8	94.600	0.764	359.7	94.640
30%	Vmax	1.1488	359.6	95.600	1.150	359.6	95.800	1.156	359.7	95.900	1.156	359.7	95.900	1.156	359.7	95.550
50%	Vmax	1.9149	359.5	95.900	1.916	359.5	96.000	1.917	359.6	96.100	1.918	359.6	96.100	1.918	359.6	96.025
75%	Vmax	2.8754	359.3	95.600	2.879	359.3	95.700	2.896	359.4	95.900	2.895	359.4	95.900	3.878	359.4	95.680
100%	Vmax	3.8148	359.1	95.200	3.812	359.1	95.200	3.830	359.2	95.500	3.828	359.2	95.400	3.817	359.2	95.280

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															
20%	Vmin															
30%	Vmin															
50%	Vmin															
75%	Vmin															
100%	Vmin															
10%	Vnom															
20%	Vnom															
30%	Vnom															
50%	Vnom															
75%	Vnom															
100%	Vnom															
10%	Vmax															
20%	Vmax															
30%	Vmax															
50%	Vmax															
75%	Vmax															
100%	Vmax															