Manufacturer: ReneSola Zhejiang Ltd

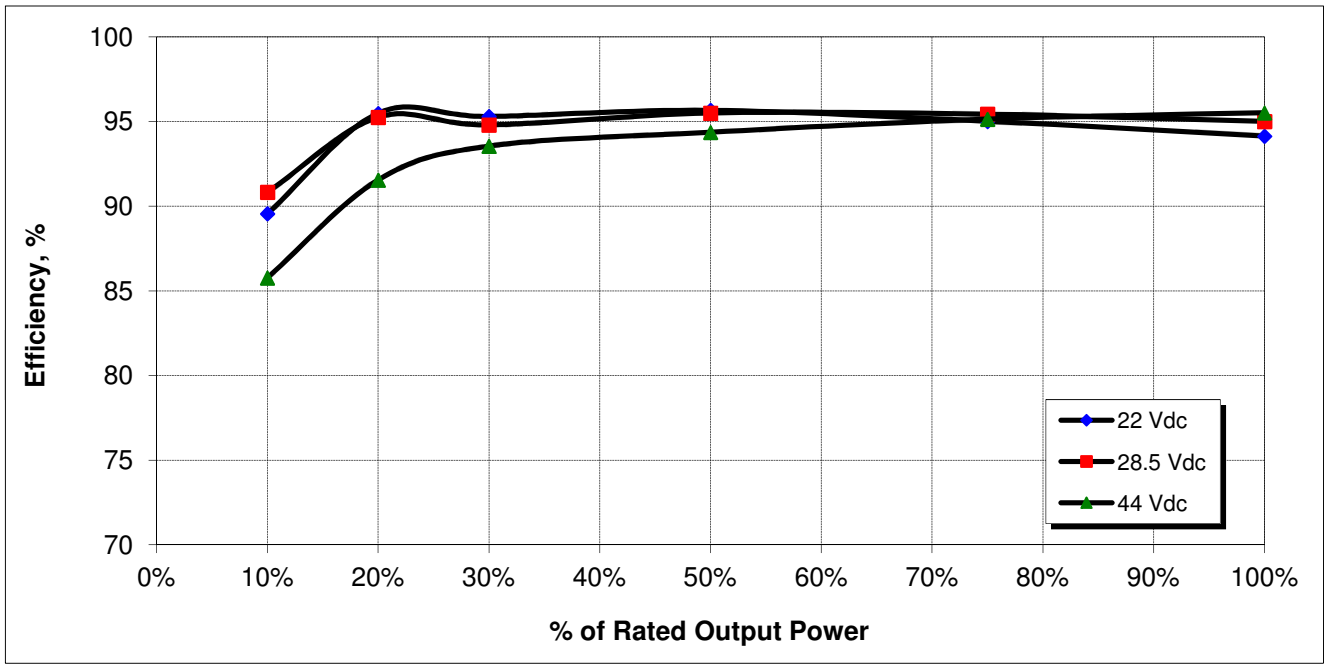
Model #: Replus-250B Output Voltage: 208 Vac

Rated Maximum Continuous Output Power: 216.83 W Night Tare Loss: 0.17 W

Vmin: 22.0 Vdc Vnom: 28.5 Vdc Vmax: 44.0 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		21.68	43.37	65.05	108.42	162.62	216.83	Wtd
Vmin	22	89.6	95.5	95.3	95.7	95.0	94.1	94.9
Vnom	28.5	90.8	95.2	94.8	95.5	95.4	95.0	95.2
Vmax	44	85.8	91.5	93.5	94.4	95.1	95.5	94.2

CEC Efficiency = 95.0%



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	20.028	22.577	89.640	20.09	22.774	89.826	20.04	22.519	89.525	19.88	22.877	89.325	20.05	22.601	89.440
20%	Vmin	43.7	22.25	95.519	43.68	22.267	95.448	43.5	22.283	95.428	43.83	22.283	95.567	43.25	22.317	95.439
30%	Vmin	67.983	22.617	95.304	67.97	22.7	95.214	67.97	22.7	95.258	67.93	22.667	95.278	67.92	22.867	95.411
50%	Vmin	112.48	22.517	95.639	112.7	22.55	95.687	112.5	22.567	95.559	112.5	22.583	95.670	112.5	22.467	95.707
75%	Vmin	167.25	22.61	95.014	167.3	22.598	95.024	167.3	22.608	95.013	167.3	22.596	95.002	167.2	22.609	94.991
100%	Vmin	218.87	22.246	94.126	20.09	1.0593	94.128	217.1	22.243	94.156	217	22.243	94.086	217	22.252	94.161
10%	Vnom	21.046	28.95	90.495	22.99	28.492	91.128	21.15	29.104	90.976	21.23	29.126	91.085	20.9	28.801	90.433
20%	Vnom	42.2	28.733	95.224	42.1	28.7	95.213	42.15	28.55	95.362	42	28.65	95.274	42.07	28.767	95.173
30%	Vnom	66.4	28.383	94.744	66.3	28.317	94.669	66.18	28.383	94.887	66.35	28.35	94.899	66.4	28.533	94.789
50%	Vnom	113.61	28.717	95.527	118.9	28.567	95.520	119	28.7	95.506	119	28.817	95.488	119.1	28.717	95.452
75%	Vnom	167.25	28.893	95.469	175.2	28.913	95.395	175.3	28.882	95.419	175.2	28.878	95.450	175.3	28.879	95.417
100%	Vnom	227.61	28.238	94.995	239.6	28.241	95.025	239.6	28.239	95.006	239.6	28.233	95.020	239.6	28.226	94.991
10%	Vmax	25.333	44.283	85.660	21.7	44.167	85.885	21.72	44.35	85.783	21.82	44.483	85.951	21.32	43.55	85.557
20%	Vmax	41.1	43.95	91.707	41.12	43.85	91.642	41.05	44.283	91.324	41.12	44.2	91.472	41.17	44.067	91.549
30%	Vmax	70.717	43.783	93.458	70.27	43.15	93.628	70.75	43.617	93.750	70.6	43.817	93.448	70.38	43.683	93.431
50%	Vmax	112.12	43.617	94.390	112	43.733	94.370	112.2	43.683	94.293	112.1	43.65	94.396	112.1	43.8	94.358
75%	Vmax	163.88	43.517	95.166	163.8	43.516	95.129	163.8	43.515	95.106	163.9	43.514	95.141	163.8	43.515	95.139
100%	Vmax	224.41	43.398	95.531	224.4	43.399	95.498	224.4	43.397	95.526	224.4	43.398	95.512	224.4	43.398	95.492

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															