Manufacturer: Renesola Zhejiang System Integration Ltd

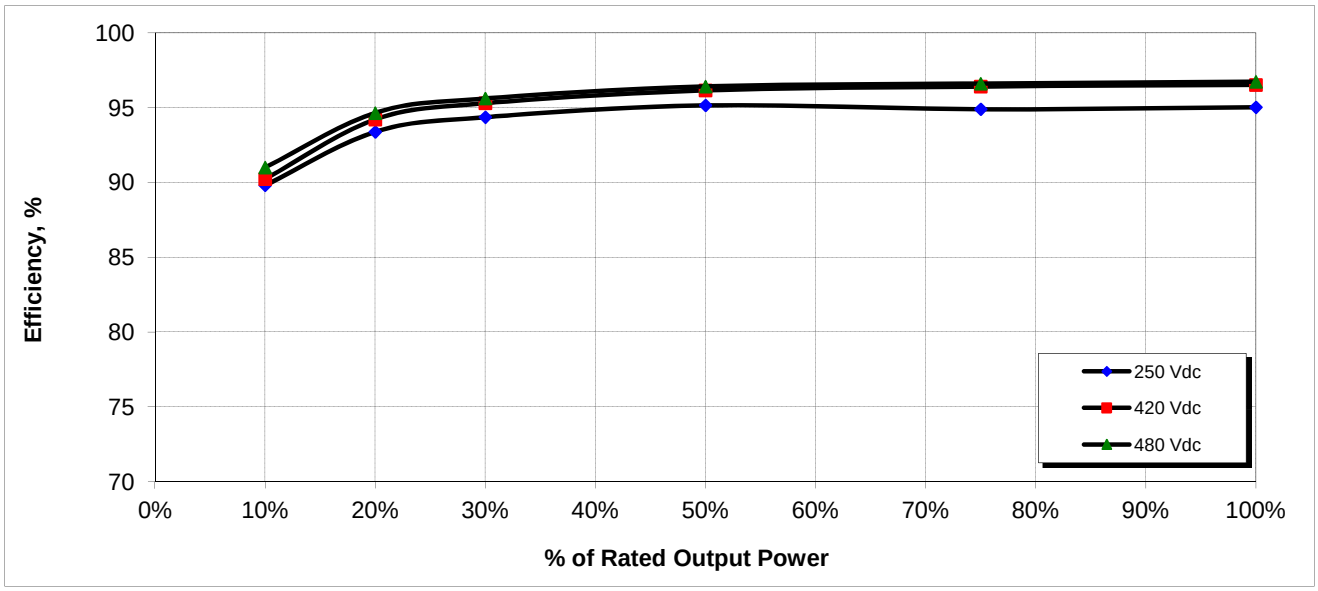
Model #: Replus 12000TL3B-US Output Voltage: 277 Vac

Rated Maximum Continuous Output Power: 11620.00 W Night Tare Loss: 0.01 W

Vmin: 250 Vdc Vnom: 420 Vdc Vmax: 480 Vdc

		Power Level (%; W)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		1162.00	2324.00	3486.00	5810.00	8715.00	11620.00	Wtd
Vmin	250	89.8	93.4	94.4	95.2	94.9	95.0	94.6
Vnom	420	90.2	94.2	95.3	96.2	96.4	96.5	95.9
Vmax	480	91.0	94.6	95.6	96.4	96.6	96.7	96.1

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)	(%)	(W)	(Vdc)	(%)
10%	Vmin	1125.64	250.95	89.70	1130.91	251.76	89.78	1131.49	251.79	89.85	1134.03	253.46	89.86	1132.15	251.90	89.87
20%	Vmin	2433.63	254.05	93.46	2425.08	252.72	93.37	2418.80	251.95	93.35	2426.87	253.14	93.37	2424.78	253.32	93.38
30%	Vmin	3497.09	250.26	94.36	3511.87	252.01	94.38	3506.73	251.45	94.37	3492.78	250.65	94.36	3487.63	251.99	94.37
50%	Vmin	6161.63	254.25	95.16	6148.39	254.67	95.16	6155.35	254.94	95.16	6170.36	254.55	95.16	6163.25	254.13	95.15
75%	Vmin	7782.58	252.45	94.89	7768.02	251.83	94.89	7779.79	252.19	94.91	7778.16	252.42	94.91	7796.10	253.29	94.93
100%	Vmin	10762.47	257.31	95.04	10769.18	257.31	95.03	10772.55	257.31	95.03	10780.72	257.32	95.02	10783.68	257.32	95.02
10%	Vnom	1059.93	420.35	90.05	1059.71	420.73	90.03	1102.11	420.99	90.37	1098.96	420.73	90.34	1100.95	420.55	90.35
20%	Vnom	2395.56	423.30	94.18	2400.75	424.01	94.21	2397.68	423.32	94.22	2404.87	425.04	94.24	2400.68	423.74	94.22
30%	Vnom	3572.10	420.44	95.28	3568.25	420.63	95.28	3584.21	421.87	95.31	3587.63	422.20	95.32	3589.91	423.05	95.32
50%	Vnom	6103.62	422.11	96.17	6098.76	421.67	96.16	6100.41	422.56	96.16	6094.74	421.96	96.16	6102.73	422.53	96.16
75%	Vnom	8096.02	424.00	96.43	8086.92	423.15	96.42	8088.70	423.13	96.42	8084.72	422.85	96.42	8090.09	423.56	96.42
100%	Vnom	11868.87	423.92	96.53	11853.95	423.23	96.53	11861.72	424.43	96.53	11870.57	424.79	96.53	11876.18	425.48	96.54
10%	Vmax	1138.79	481.78	91.06	1140.31	482.60	90.96	1136.88	481.93	90.98	1143.01	484.11	91.01	1140.85	482.76	90.98
20%	Vmax	2450.64	479.51	94.64	2449.90	478.60	94.64	2448.89	479.89	94.65	2451.29	479.71	94.64	2450.21	479.52	94.64
30%	Vmax	3635.82	481.65	95.60	3632.74	482.02	95.60	3637.60	482.13	95.62	3638.01	481.74	95.62	3638.34	481.44	95.63
50%	Vmax	6225.69	483.06	96.42	6226.02	483.34	96.42	6224.23	482.87	96.42	6224.65	482.43	96.42	6228.61	483.31	96.42
75%	Vmax	8164.68	481.90	96.62	8148.12	480.93	96.60	8150.15	480.21	96.61	8147.19	480.27	96.61	8160.57	480.95	96.61
100%	Vmax	12030.87	481.60	96.74	12034.07	479.16	96.74	12017.08	479.38	96.74	12033.30	479.63	96.74	12035.20	480.66	96.73

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															