Manufacturer: Power-One, Inc

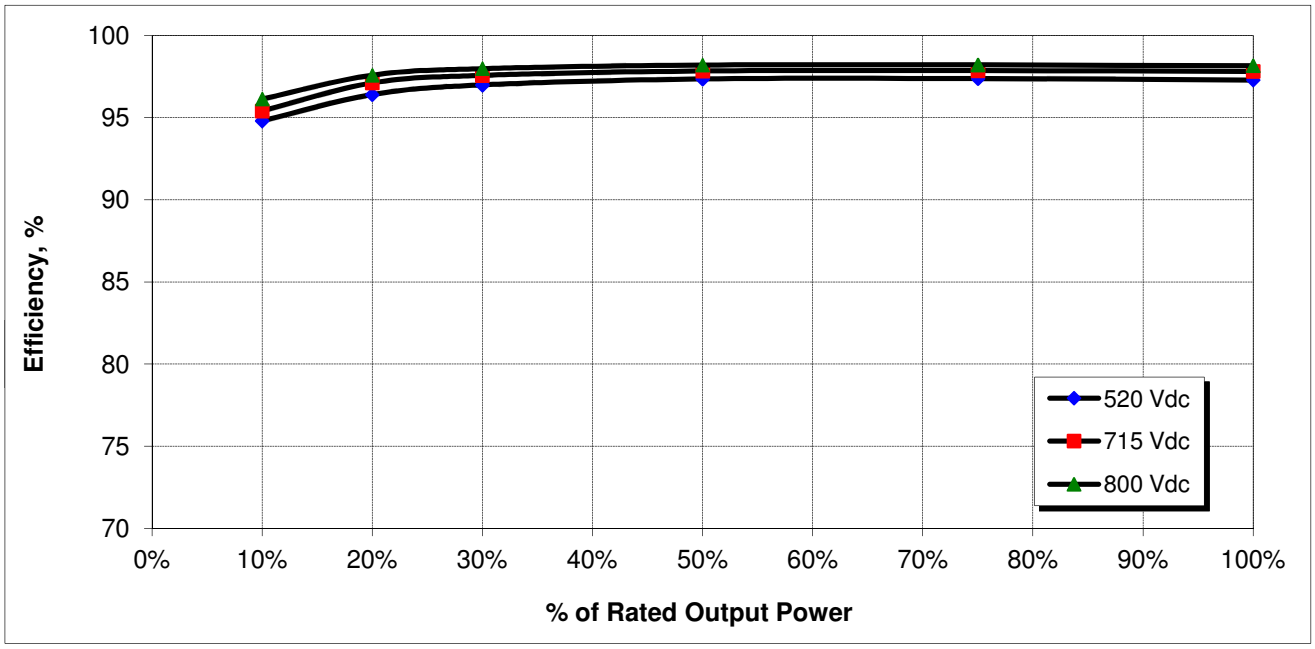
Model #: TRIO-27.6-TL-OUTD-US-480

Rated Maximum Continuous Output Power @25°C: 27.6 kW Night Tare Loss: 0.6 W
Rated Maximum Continuous Output Power @40°C: 27.6 kW Night Tare Loss: 0.6 W

Vomin: 520 Vdc Vnom: 715 Vdc Vmax: 800 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		2.76	5.52	8.28	13.80	20.70	27.60	Wtd
Vmin	520	94.8	96.4	97.0	97.4	97.4	97.3	97.2
Vnom	715	95.4	97.1	97.6	97.8	97.9	97.8	97.7
Vmax	800	96.1	97.6	98.0	98.2	98.2	98.2	98.1

CEC Efficiency = 97.5%



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)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	2755	520	94.80	2755	520	94.82	2756	520	94.83	2754	520	94.80	2754	520	94.83
20%	Vmin	6048	520	96.41	6048	520	96.41	6049	520	96.42	6047	520	96.39	6048	520	96.40
30%	Vmin	8939	520	96.99	8940	520	96.99	8939	520	96.99	8939	520	97.00	8937	520	97.00
50%	Vmin	15155	520	97.36	15155	520	97.36	15155	520	97.36	15153	520	97.35	15153	520	97.36
75%	Vmin	19408	520	97.38	19410	520	97.38	19407	520	97.38	19408	520	97.38	19410	520	97.38
100%	Vmin	26316	520	97.30	26316	520	97.29	26313	520	97.29	26314	520	97.30	26312	520	97.29
10%	Vnom	2742	715	95.41	2743	715	95.41	2744	715	95.42	2744	715	95.41	2743	715	95.41
20%	Vnom	6049	715	97.12	6048	715	97.12	6048	715	97.12	6050	715	97.12	6048	715	97.12
30%	Vnom	8965	715	97.58	8965	715	97.58	8966	715	97.58	8965	715	97.57	8966	715	97.58
50%	Vnom	15151	715	97.84	15151	715	97.84	15152	715	97.84	15151	715	97.85	15151	715	97.84
75%	Vnom	19393	715	97.87	19393	715	97.87	19394	715	97.87	19394	715	97.87	19392	715	97.87
100%	Vnom	26317	715	97.82	26319	715	97.82	26320	715	97.82	26321	715	97.82	26320	715	97.82
10%	Vmax	2753	800	96.14	2753	800	96.14	2751	800	96.14	2751	800	96.14	2752	800	96.12
20%	Vmax	6051	800	97.59	6052	800	97.59	6052	800	97.59	6052	800	97.59	6053	800	97.59
30%	Vmax	8961	801	97.99	8961	801	97.98	8962	801	97.99	8961	801	97.99	8960	801	97.99
50%	Vmax	15155	800	98.21	15155	800	98.21	15154	800	98.21	15154	800	98.21	15155	800	98.21
75%	Vmax	19398	801	98.22	19395	801	98.22	19395	801	98.22	19397	801	98.22	19396	801	98.22
100%	Vmax	26326	800	98.17	26325	800	98.17	26325	800	98.17	26327	800	98.17	26327	800	98.17

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	2753	520	94.79	2754	520	94.82									
20%	Vmin	6048	520	96.40	6048	520	96.41									
30%	Vmin	8938	520	96.99	8938	520	97.00									
50%	Vmin	15154	520	97.36	15154	520	97.36									
75%	Vmin	19408	520	97.38	19405	520	97.39									
100%	Vmin	26313	520	97.29	26312	520	97.29									
10%	Vnom	2742	715	95.41	2742	715	95.41									
20%	Vnom	6048	715	97.12	6049	715	97.12									
30%	Vnom	8966	715	97.58	8966	715	97.58									
50%	Vnom	15152	715	97.85	15151	715	97.84									
75%	Vnom	19395	715	97.87	19395	715	97.87									
100%	Vnom	26320	715	97.82	26319	715	97.82									
10%	Vmax	2752	800	96.14	2754	800	96.15									
20%	Vmax	6054	800	97.59	6054	800	97.59									
30%	Vmax	8961	801	97.99	8960	801	97.99									
50%	Vmax	15155	800	98.21	15154	800	98.21									
75%	Vmax	19396	801	98.22	19395	801	98.22									
100%	Vmax	26327	800	98.17	26329	800	98.17									