Manufacturer: Princeton Power Systems

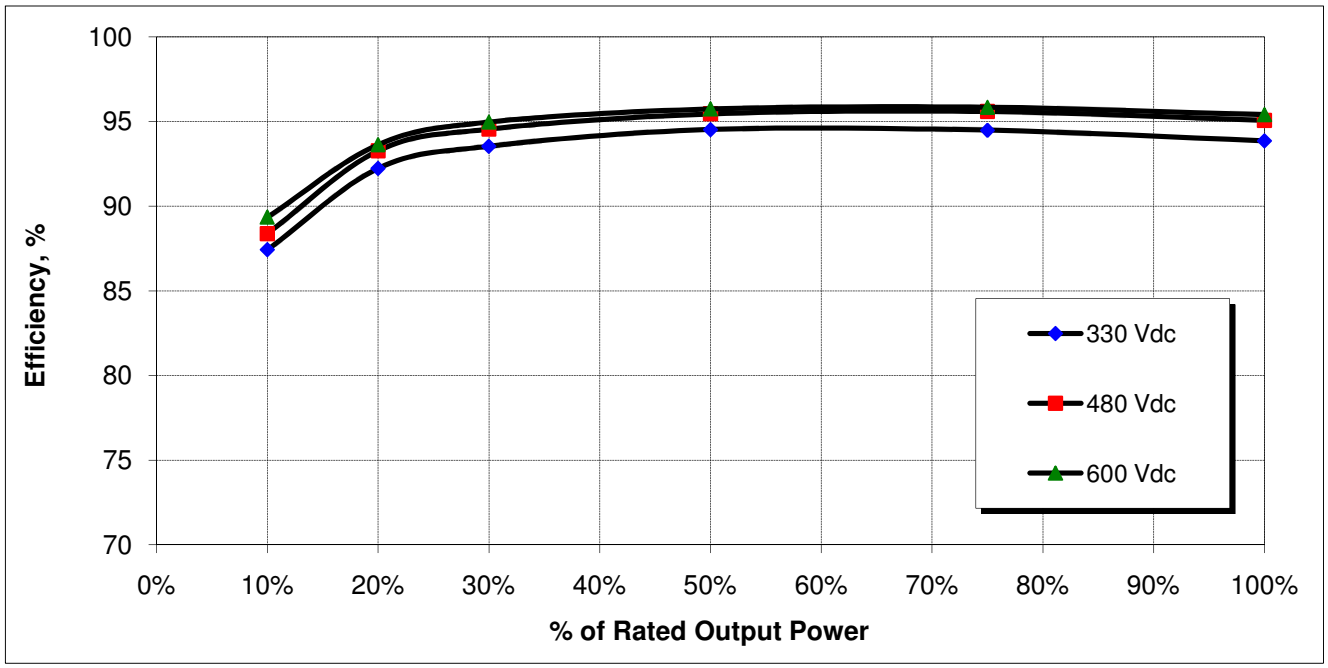
Model #: GTIB-480-100-xxxx (600Vdc Max)

Rated Maximum Continuous Output Power: 100.00 kW Night Tare Loss: 170.00 W

Vmin: 330 Vdc Vnom: 480 Vdc Vmax: 600 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		10.00	20.00	30.00	50.00	75.00	100.00	Wtd
Vmin	330	87.4	92.2	93.5	94.5	94.5	93.9	94.0
Vnom	480	88.4	93.3	94.6	95.5	95.6	95.1	95.0
Vmax	600	89.3	93.6	95.0	95.7	95.8	95.4	95.3

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	10.1	331.01	87.37879	10.1	331.08	87.66156	10.1	331.14	87.6054	10.1	331.03	87.13397	10.1	331.1	87.43516
20%	Vmin	20.1	330.83	92.20025	20.1	330.73	92.32901	20.1	330.88	92.20871	20.1	330.86	92.1807	20.1	330.83	92.25626
30%	Vmin	30.1	330.61	93.48951	30.1	330.7	93.52553	30.1	330.61	93.58177	30.2	330.75	93.68345	30.1	330.65	93.46285
50%	Vmin	50.1	330.16	94.42961	50.1	330.15	94.5313	50.1	330.2	94.45579	50.2	330.2	94.50783	50.2	330.27	94.62898
75%	Vmin	75.2	329.72	94.47587	75.2	329.79	94.63143	75.2	329.72	94.53853	75.2	329.74	94.46388	75.1	329.69	94.43393
100%	Vmin	99.1	329.08	93.85833	99.1	329.18	93.79474	99.2	329.18	93.90671	99.2	329.19	93.93336	99.1	329.09	93.85314
10%	Vnom	10.1	490.1	88.82776	10	490.04	88.29395	10	490.06	88.22927	10	490.04	88.05013	10.1	489.97	88.7595
20%	Vnom	20.2	489.93	93.31518	20.1	489.91	92.958	20.1	489.94	93.01975	20.2	489.89	93.40736	20.1	489.88	93.28496
30%	Vnom	30.1	489.66	94.45486	30.1	489.71	94.5731	30.1	489.7	94.58667	30.1	489.72	94.66439	30.1	489.71	94.5731
50%	Vnom	50.2	489.39	95.38113	50.2	489.37	95.47735	50.2	489.4	95.49995	50.2	489.37	95.52003	50.2	489.36	95.45798
75%	Vnom	75.3	488.96	95.55267	75.2	488.97	95.39541	75.3	488.91	95.53399	75.2	488.86	95.41688	75.3	488.88	95.55408
100%	Vnom	100.4	488.72	95.04877	100.4	488.7	95.02804	100.5	488.7	95.16142	100.4	488.68	95.10583	100.4	488.68	95.02138
10%	Vmax	10	599.72	89.03486	10	599.79	89.44475	10	599.78	88.93857	10.0	599.78	88.79836	10.1	599.76	89.91921
20%	Vmax	20	599.53	93.66427	20.1	599.65	94.09261	20	599.59	93.65489	20.0	599.59	93.52884	20.0	599.62	93.54515
30%	Vmax	30.1	599.4	95.02135	30.1	599.41	94.89049	30.2	599.46	95.24099	30.0	599.42	94.60226	30.1	599.47	94.99588
50%	Vmax	50.2	599.11	95.78299	50.2	599.13	95.69228	50.2	599.14	95.80447	50.2	599.13	95.69228	50.2	599.23	95.6938
75%	Vmax	75.2	598.83	95.80272	75.2	598.88	95.92938	75.1	598.89	95.7417	75.2	598.82	95.82187	75.2	598.84	95.84792
100%	Vmax	100.4	598.71	95.36731	100.5	598.62	95.47665	100.4	598.62	95.39467	100.5	598.67	95.50343	100.4	598.59	95.28239

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	10.1	331.12	87.30976												
20%	Vmin	20.1	330.88	92.20871												
30%	Vmin	30.1	330.65	93.50125												
50%	Vmin	50.2	330.21	94.63203												
75%	Vmin	75.1	329.74	94.40395												
100%	Vmin	99.1	329.18	93.85556												
10%	Vnom	10	490.01	88.08592												
20%	Vnom	20.2	489.87	93.64878												
30%	Vnom	30.1	489.74	94.48589												
50%	Vnom	50.2	489.39	95.40951												
75%	Vnom	75.8	488.89	96.11505												
100%	Vnom	100.4	488.74	95.06599												
10%	Vmax	10.1	599.78	89.95464												
20%	Vmax	20.0	599.57	93.28087												
30%	Vmax	30.1	599.50	95.06306												
50%	Vmax	50.2	599.14	95.77819												
75%	Vmax	75.2	598.82	95.90969												
100%	Vmax	100.4	598.65	95.40291												