Applicant: Delta Electronics, Inc.

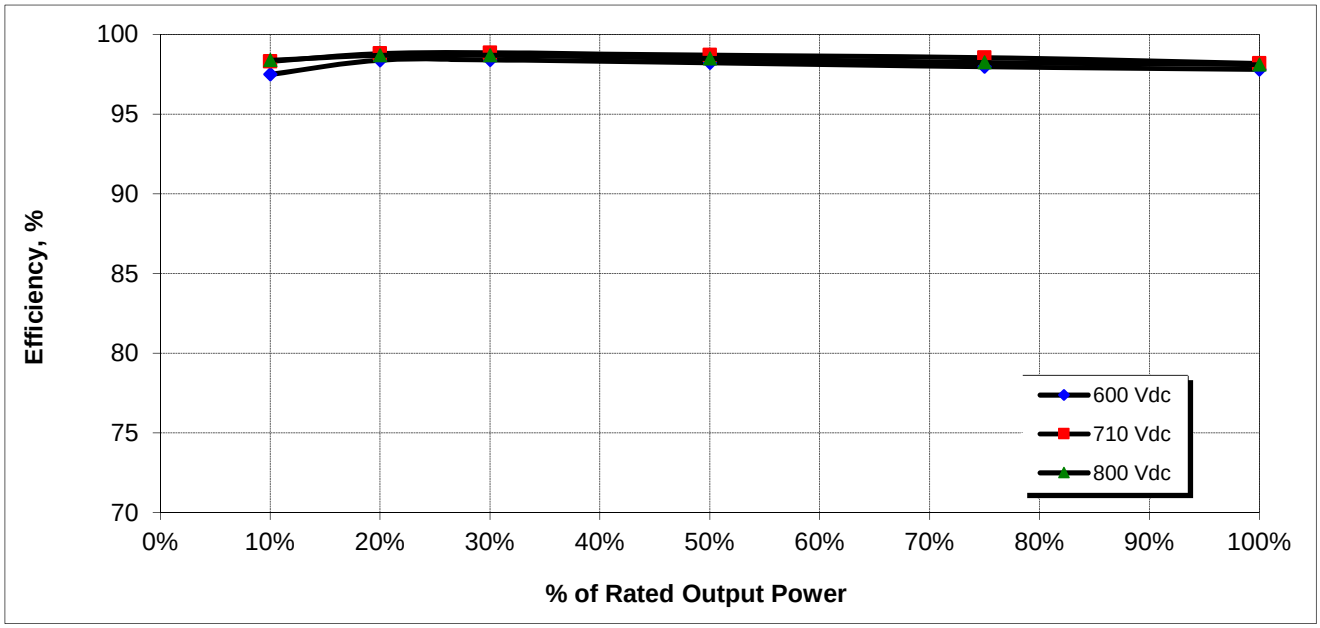
Model #: M80X

Rated Maximum Continuous Output Power: 82.764 kW Night Tare Loss: 2.6 W

Vmin: 600 Vdc Vnom: 710 Vdc Vmax: 800 Vdc

Input Voltage (Vdc)		Power Level (%; kW) 10%	20%	30%	50%	75%	100%	Wtd
Vmin	600	97.5	98.4	98.4	98.2	98.0	97.8	98.1
Vnom	710	98.3	98.8	98.8	98.7	98.5	98.2	98.6
Vmax	800	98.4	98.7	98.7	98.5	98.2	98.1	98.4

CEC Efficiency = 98.5%



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	8276.1	599.1	97.514	8278.6	599.1	97.441	8280.7	599.1	97.466	8282.8	599.1	97.490	8284.8	599.1	97.514
20%	Vmin	18387	599.1	98.388	18387	599.1	98.388	18386	599.1	98.381	18386	599.1	98.386	18388	599.1	98.393
30%	Vmin	22983	599.1	98.399	22983	599.1	98.402	22982	599.1	98.398	22981	599.1	98.394	22981	599.1	98.394
50%	Vmin	37521	599	98.220	37522	599	98.221	37521	599	98.219	37519	599	98.215	37519	599	98.215
75%	Vmin	58213	598.5	97.970	58213	598.5	97.968	58213	598.5	97.967	58212	598.5	97.965	58212	598.5	97.964
100%	Vmin	79026	598.7	97.792	79027	598.7	97.794	79027	598.7	97.793	79026	598.7	97.792	79026	598.7	97.793
10%	Vnom	8366.9	710.8	98.307	8367.3	710.8	98.312	8367.6	710.8	98.311	8367.2	710.8	98.299	8367.4	710.8	98.302
20%	Vnom	18479	711	98.786	18479	711	98.792	18479	711	98.793	18479	711	98.794	18480	711	98.799
30%	Vnom	23102	710.9	98.848	23102	710.9	98.849	23102	710.9	98.847	23102	710.9	98.843	23102	710.9	98.847
50%	Vnom	37718	710.8	98.690	37719	710.8	98.690	37719	710.8	98.690	37719	710.8	98.692	37719	710.8	98.693
75%	Vnom	58713	711.2	98.542	58712	711.2	98.542	58712	711.2	98.542	58719	711.2	98.540	58710	711.2	98.541
100%	Vnom	79370	711.4	98.181	79369	711.4	98.180	79369	711.4	98.179	79370	711.4	98.180	79371	711.4	98.181
10%	Vmax	8390	798.6	98.374	8389.8	798.6	98.372	8389.9	798.6	98.373	8389.9	798.6	98.373	8389.9	798.6	98.374
20%	Vmax	18454	798.6	98.681	18455	798.6	98.685	18455	798.6	98.684	18455	798.6	98.682	18454	798.6	98.684
30%	Vmax	23062	798.5	98.688	23062	798.5	98.691	23062	798.5	98.688	23062	798.5	98.686	23062	798.5	98.688
50%	Vmax	37644	798.5	98.487	37644	798.5	98.488	37644	798.5	98.488	37644	798.5	98.487	37643	798.5	98.488
75%	Vmax	58635	798.8	98.233	58636	798.8	98.231	58636	798.8	98.230	58636	798.8	98.230	58635	798.8	98.228
100%	Vmax	79401	798.5	98.098	79402	798.5	98.097	79400	798.5	98.095	79400	798.5	98.089	79398	798.5	98.095

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															